

## Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

### I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State:  Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☒ Yes ☐ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☒ Yes ☐ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☐ Yes ☒ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Jean Mitchell, Deputy Director, Operations Services Administration, DC Department of Energy and Environment, 1200 First Street NE, 5th Floor, Washington, DC 20002; Ph: 202-535-1904; jean.mitchell@dc.gov

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

District of Columbia, Department of Human Resources/E. Lindsey Maxwell II, Esq. Interim Director. <https://dchr.dc.gov/>

**For the Applicant/Recipient**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Brittany Whited

B. Title of Authorized Official

Director, DOEE

C. Date

03/25/2022

**For the U.S. Environmental Protection Agency**

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. \*Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

**\* See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. \* Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.



# EPA KEY CONTACTS FORM

OMB Number: 2030-0020  
Expiration Date: 06/30/2024

**Authorized Representative:** *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

<b>Name:</b>	<b>Prefix:</b> MR	<b>First Name:</b> TOMMY	<b>Middle Name:</b>
	<b>Last Name:</b> WELLS		<b>Suffix:</b>
<b>Title:</b>	DIRECTOR, DOEE		
<b>Complete Address:</b>			
<b>Street1:</b>	1200 FIRST ST NE		
<b>Street2:</b>	5TH FLOOR		
<b>City:</b>	WASHINGTON	<b>State:</b>	DC: District of Columbia
<b>Zip / Postal Code:</b>	20001	<b>Country:</b>	USA: UNITED STATES
<b>Phone Number:</b>	202-535-2615	<b>Fax Number:</b>	
<b>E-mail Address:</b>	EDNA.EBANKS@DC.GOV		

**Payee:** *Individual authorized to accept payments.*

<b>Name:</b>	<b>Prefix:</b>	<b>First Name:</b> OLGA	<b>Middle Name:</b>
	<b>Last Name:</b> PROVOTOROVA		<b>Suffix:</b>
<b>Title:</b>	CLUSTER CONTROLLER, GSC		
<b>Complete Address:</b>			
<b>Street1:</b>	2000 14TH ST NW		
<b>Street2:</b>	6TH FLOOR, OFFICE OF THE CHIEF FINANCIAL OFFICER		
<b>City:</b>	WASHINGTON	<b>State:</b>	DC: District of Columbia
<b>Zip / Postal Code:</b>	20001	<b>Country:</b>	USA: UNITED STATES
<b>Phone Number:</b>	202-671-2302	<b>Fax Number:</b>	
<b>E-mail Address:</b>	OLGA.PROVOTOROVA@DC.GOV		

**Administrative Contact:** *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

<b>Name:</b>	<b>Prefix:</b>	<b>First Name:</b> Kelvin	<b>Middle Name:</b>
	<b>Last Name:</b> Parson		<b>Suffix:</b>
<b>Title:</b>	Financial Manager, DOEE		
<b>Complete Address:</b>			
<b>Street1:</b>	1200 FIRST ST NE		
<b>Street2:</b>	5TH FLOOR		
<b>City:</b>	WASHINGTON	<b>State:</b>	DC: District of Columbia
<b>Zip / Postal Code:</b>	20002-3361	<b>Country:</b>	USA: UNITED STATES
<b>Phone Number:</b>	202-535-2613	<b>Fax Number:</b>	
<b>E-mail Address:</b>	Kelvin.Parson@dc.gov		

# EPA KEY CONTACTS FORM

**Project Manager:** *Individual responsible for the technical completion of the proposed work.*

**Name:** **Prefix:**  **First Name:**  **Middle Name:**

**Last Name:**  **Suffix:**

**Title:**

**Complete Address:**

**Street1:**

**Street2:**

**City:**

**State:**

**Zip / Postal Code:**

**Country:**

**Phone Number:**

**Fax Number:**

**E-mail Address:**

## Other Attachment File(s)

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\* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

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To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment

# BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006  
Expiration Date: 02/28/2022

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity  (a)	Catalog of Federal Domestic Assistance Number  (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Enhancing Air Quality Data with Storytelling to Advance Environmental Justice	66.034	\$ 500,000.00	\$	\$	\$	\$ 500,000.00
2.						
3.						
4.						
5. Totals		\$ 500,000.00	\$	\$	\$	\$ 500,000.00

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# SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Enhancing Air Quality Data with Storytelling to Advance Environmental Justice				
a. Personnel	\$	\$	\$	\$	\$
b. Fringe Benefits					
c. Travel					
d. Equipment	300,000.00				300,000.00
e. Supplies					
f. Contractual	75,000.00				75,000.00
g. Construction					
h. Other	125,000.00				125,000.00
i. Total Direct Charges (sum of 6a-6h)	500,000.00				\$ 500,000.00
j. Indirect Charges					\$
k. TOTALS (sum of 6i and 6j)	\$ 500,000.00	\$	\$	\$	\$ 500,000.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Enhancing Air Quality Data with Storytelling to Advance Environmental Justice	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
9.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12. TOTAL (sum of lines 8-11)		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ <input type="text" value="500,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="100,000.00"/>	\$ <input type="text" value="200,000.00"/>	\$ <input type="text" value="200,000.00"/>
14. Non-Federal	\$ <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15. TOTAL (sum of lines 13 and 14)	\$ <input type="text" value="500,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="100,000.00"/>	\$ <input type="text" value="200,000.00"/>	\$ <input type="text" value="200,000.00"/>

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Enhancing Air Quality Data with Storytelling to Advance Environmental Justice	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
17.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
18.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
19.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20. TOTAL (sum of lines 16 - 19)		\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges: <input type="text" value="500000"/>	22. Indirect Charges: <input type="text"/>
23. Remarks: <input type="text"/>	

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Prescribed by OMB (Circular A -102) Page 2

### Application for Federal Assistance SF-424

\* 1. Type of Submission:

- ☐ Preapplication  
☒ Application  
☐ Changed/Corrected Application

\* 2. Type of Application:

- ☒ New  
☐ Continuation  
☐ Revision

\* If Revision, select appropriate letter(s):

\* Other (Specify):

\* 3. Date Received:

03/25/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

#### State Use Only:

6. Date Received by State:

03/21/2022

7. State Application Identifier:

DC-2493

#### 8. APPLICANT INFORMATION:

\* a. Legal Name:

Government of the District of Columbia, DOEE

\* b. Employer/Taxpayer Identification Number (EIN/TIN):

53-6001131

\* c. Organizational DUNS:

7809865630000

#### d. Address:

\* Street1:

1200 First Street, NE

Street2:

5th floor

\* City:

WASHINGTON

County/Parish:

\* State:

DC: District of Columbia

Province:

\* Country:

USA: UNITED STATES

\* Zip / Postal Code:

20002-3323

#### e. Organizational Unit:

Department Name:

DOEE

Division Name:

AIR QUALITY DIVISION

#### f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

\* First Name:

KELLY

Middle Name:

\* Last Name:

CRAWFORD

Suffix:

Title: ASSOCIATE DIRECTOR, AIR QUALITY DIVISION

Organizational Affiliation:

AIR QUALITY DIVISION, DOEE

\* Telephone Number:

(202) 731 - 0322

Fax Number:

\* Email:

KELLY.CRAWFORD@DC.GOV

## Application for Federal Assistance SF-424

### \* 9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

### \* 10. Name of Federal Agency:

Environmental Protection Agency

### 11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities  
Relating to the Clean Air Act

### \* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

\* Title:

Enhanced Air Quality Monitoring for Communities

### 13. Competition Identification Number:

Title:

### 14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

### \* 15. Descriptive Title of Applicant's Project:

Enhancing Air Quality Data with Storytelling to Advance Environmental Justice

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424****16. Congressional Districts Of:**\* a. Applicant \* b. Program/Project 

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

**17. Proposed Project:**\* a. Start Date: \* b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="500,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="500,000.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☒ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☐ c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title: \* Telephone Number:  Fax Number: \* Email: \* Signature of Authorized Representative:  \* Date Signed:

## Project Narrative File(s)

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\* **Mandatory Project Narrative File Filename:**

Add Mandatory Project Narrative File

Delete Mandatory Project Narrative File

View Mandatory Project Narrative File

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To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File

Delete Optional Project Narrative File

View Optional Project Narrative File

This Workspace form is one of the forms you need to complete prior to submitting your Application Package. This form can be completed in its entirety offline using Adobe Reader. You can save your form by clicking the "Save" button and see any errors by clicking the "Check For Errors" button. In-progress and completed forms can be uploaded at any time to Grants.gov using the Workspace feature.

When you open a form, required fields are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message. Additional instructions and FAQs about the Application Package can be found in the Grants.gov Applicants tab.

**OPPORTUNITY & PACKAGE DETAILS:**

Opportunity Number:	EPA-OAR-OAQPS-22-01
Opportunity Title:	Enhanced Air Quality Monitoring for Communities
Opportunity Package ID:	PKG00270834
CFDA Number:	66.034
CFDA Description:	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act
Competition ID:	
Competition Title:	
Opening Date:	12/13/2021
Closing Date:	03/25/2022
Agency:	Environmental Protection Agency
Contact Information:	Tim Roberts EPA's Office of Air and Radiation AirMonitoring@epa.gov

**APPLICANT & WORKSPACE DETAILS:**

Workspace ID:	WS00862545
Application Filing Name:	DOEE - AQD - Community Air Monitoring Grant
DUNS:	7809865630000
Organization:	DISTRICT OF COLUMBIA, GOVERNMENT OF
Form Name:	EPA Form 4700-4
Form Version:	3.0
Requirement:	Mandatory
Download Date/Time:	Mar 22, 2022 11:24:29 AM EDT
Form State:	No Errors

**FORM ACTIONS:**

## Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

### I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name: Department of Energy and Environment  
Address: 1200 First Street NE  
City: Washington  
State: DC: District of Columbia Zip Code: 20002

B. DUNS No. 7809865630000

II. Is the applicant currently receiving EPA Assistance? ☒ Yes ☐ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

None

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

None

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

None

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☒ Yes ☐ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☐ Yes ☒ No

Recipient has to date relied on information available from other DC agencies

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

Cheryl Randall Thomas, Customer Service Coordinator, (202) 654-6016

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Jean Mitchell, Deputy Director, Operations Services Administration, DC Department of Energy and Environment, 1200 First Street NE, 5th Floor, Washington, DC 20002; Ph: 202-535-1904; jean.mitchell@dc.gov

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

District of Columbia, Department of Human Resources/E. Lindsey Maxwell II, Esq. Interim Director. <https://dchr.dc.gov/>

**For the Applicant/Recipient**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Completed by Grants.gov upon submission.

B. Title of Authorized Official

Tommy Wells

Digitally signed by Tommy Wells  
DN: cn=Tommy Wells, o=DC Dept of  
Energy & Environment, ou=Director,  
email=Tommy.wells@dc.gov, c=US  
Date: 2022.03.24 08:32:57 -0400

Director, DOEE

C. Date

Completed by Grants.gov  
upon submission.

**For the U.S. Environmental Protection Agency**

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. \*Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date



**\* See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. \* Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

This Workspace form is one of the forms you need to complete prior to submitting your Application Package. This form can be completed in its entirety offline using Adobe Reader. You can save your form by clicking the "Save" button and see any errors by clicking the "Check For Errors" button. In-progress and completed forms can be uploaded at any time to Grants.gov using the Workspace feature.

When you open a form, required fields are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message. Additional instructions and FAQs about the Application Package can be found in the Grants.gov Applicants tab.

**OPPORTUNITY & PACKAGE DETAILS:**

Opportunity Number:	EPA-OAR-OAQPS-22-01
Opportunity Title:	Enhanced Air Quality Monitoring for Communities
Opportunity Package ID:	PKG00270834
CFDA Number:	66.034
CFDA Description:	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act
Competition ID:	
Competition Title:	
Opening Date:	12/13/2021
Closing Date:	03/25/2022
Agency:	Environmental Protection Agency
Contact Information:	Tim Roberts EPA's Office of Air and Radiation AirMonitoring@epa.gov

**APPLICANT & WORKSPACE DETAILS:**

Workspace ID:	WS00862545
Application Filing Name:	DOEE - AQD - Community Air Monitoring Grant
DUNS:	7809865630000
Organization:	DISTRICT OF COLUMBIA, GOVERNMENT OF
Form Name:	Application for Federal Assistance (SF-424)
Form Version:	3.0
Requirement:	Mandatory
Download Date/Time:	Mar 22, 2022 11:24:15 AM EDT
Form State:	No Errors

**FORM ACTIONS:**

## Application for Federal Assistance SF-424

\* 1. Type of Submission:

- ☐ Preapplication  
☒ Application  
☐ Changed/Corrected Application

\* 2. Type of Application:

- ☒ New  
☐ Continuation  
☐ Revision

\* If Revision, select appropriate letter(s):

\* Other (Specify):

\* 3. Date Received:

Completed by Grants.gov upon submission.

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

### State Use Only:

6. Date Received by State:

03/21/2022

7. State Application Identifier:

DC-2493

### 8. APPLICANT INFORMATION:

\* a. Legal Name:

Government of the District of Columbia, DOEE

\* b. Employer/Taxpayer Identification Number (EIN/TIN):

53-6001131

\* c. Organizational DUNS:

7809865630000

### d. Address:

\* Street1:

1200 First Street, NE

Street2:

5th floor

\* City:

WASHINGTON

County/Parish:

\* State:

DC: District of Columbia

Province:

\* Country:

USA: UNITED STATES

\* Zip / Postal Code:

20002-3323

### e. Organizational Unit:

Department Name:

DOEE

Division Name:

AIR QUALITY DIVISION

### f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

\* First Name:

KELLY

Middle Name:

\* Last Name:

CRAWFORD

Suffix:

Title: ASSOCIATE DIRECTOR, AIR QUALITY DIVISION

Organizational Affiliation:

AIR QUALITY DIVISION, DOEE

\* Telephone Number:

(202) 731 - 0322

Fax Number:

\* Email:

KELLY.CRAWFORD@DC.GOV

## Application for Federal Assistance SF-424

### \* 9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

### \* 10. Name of Federal Agency:

Environmental Protection Agency

### 11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities  
Relating to the Clean Air Act

### \* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

\* Title:

Enhanced Air Quality Monitoring for Communities

### 13. Competition Identification Number:

Title:

### 14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

### \* 15. Descriptive Title of Applicant's Project:

Enhancing Air Quality Data with Storytelling to Advance Environmental Justice

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424****16. Congressional Districts Of:**\* a. Applicant \* b. Program/Project 

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

**17. Proposed Project:**\* a. Start Date: \* b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="500,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="500,000.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☒ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☐ c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title: \* Telephone Number:  Fax Number: \* Email: **Tommy Wells**

\* Digitally signed by Tommy Wells;  
DN: cn=Tommy Wells, o=DC Dept of  
Energy & Environment, ou=Director,  
Email=Tommy.Wells@dc.gov, c=US  
Date: 2022.03.24 08:34:38 -0400

\* Signature of Authorized Representative:  \* Date Signed:

GEORGETOWN CLIMATE CENTER  
A Leading Resource for State and Federal Policy

Kathryn Zyla  
Executive Director  
Georgetown Climate Center  
500 First St. NW; 8<sup>th</sup> Floor  
Washington DC 20001

March 23, 2022

Environmental Protection Agency  
Mail Code: 3901  
1200 Pennsylvania Avenue,  
N.W. Washington, D.C. 20460

Dear EPA Office of Grants and Debarment,

To reduce greenhouse gas (GHG) emissions, improve air quality, and advance clean transportation options, environment, energy, and transportation agencies from across the Northeast and Mid-Atlantic region have been working together since 2010 as part of the Transportation and Climate Initiative (TCI). Through this effort, states and the District of Columbia have worked to improve processes for gathering input from the public to better understand how low-carbon transportation strategies could center equity and advance environmental, climate, and transportation justice. A consistent theme in the input jurisdictions have received from communities and organizations is their interest in expanded community-based air quality monitoring to help inform and shape the development and implementation of clean transportation policies and programs.

In response, jurisdictions in this region have recently initiated a new workgroup, facilitated by the Georgetown Climate Center, focused on community-based air quality monitoring. The primary focus of this workgroup is to establish a new “community of practice,” to serve as a regional forum for sharing information and building capacity within agencies and communities to develop and maintain community-based air quality monitoring programs. The group aims to focus its efforts in particular on frontline communities that have borne a disproportionate exposure to air pollution, much of which comes from mobile sources. Workgroup participants include agency officials from Connecticut, District of Columbia, Maryland, Massachusetts, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

With limited state and local resources available to ramp up air quality monitoring activities, this new community of practice will help participating jurisdictions more rapidly achieve their shared goals: expanding the quantity, quality, and availability of reliable community-level information regarding levels of potential pollution exposure from transportation sources. By leveraging information, data, and lessons learned from multiple programs throughout the region over the past decade, this community of practice can also serve as a valuable resource to inform timely policy actions by local

and state governments to reduce harmful air emissions. We also expect the group's work to support effective implementation and evaluation of new projects in the Northeast and mid-Atlantic corridor that may be awarded grants through EPA's new Enhanced Air Quality Monitoring for Communities grant solicitation.<sup>1</sup>

In the coming weeks, jurisdictions participating in this effort will be developing and advancing a work plan that will serve as the overarching framework for coordinating strategic activities.

Programmatic priorities will include sharing information, data, and strategies for communicating air quality monitoring results with the public, including through webinars and workshops. Participants expect to share lessons learned and emerging ideas on topics ranging from air quality monitoring technologies to policy actions that can effectively reduce transportation emissions and improve air quality for overburdened communities.

The work plan will be further informed by conversations that participating agency officials will have with residents and organizations within each of their respective jurisdictions. Participating jurisdictions aim to build on regional conversations and other ongoing public outreach efforts to further engage the public around air quality monitoring in overburdened communities.

Outreach, education, hyper-local sensor networks, and partnerships are essential elements of effective community-level air quality monitoring, but will take time to implement. At the same time, there are many simple and effective actions that can be easily undertaken quickly even as jurisdictions pursue those longer-term initiatives. Here are examples of what four TCI jurisdictions are already doing to conduct air quality monitoring in ways that inform decision making and policy actions that are responsive to community needs:

- The Massachusetts Department of Environmental Protection (MassDEP) partnered with city officials and local communities to establish an ongoing community-based air quality monitoring project in Chelsea, MA – including a permanent monitor meeting EPA siting criteria and nine PurpleAir sensors in locations chosen by the community. A member of the community notified MassDEP of concerns about smoke coming from an industrial facility at a specific time and date. MassDEP observed a temporary data spike at a nearby air sensor at the same time the smoke was observed, and notified the MassDEP Regional Permit Chief. As a result, the permit section of MassDEP plans to inspect the facility to ensure it is compliant with applicable regulations.
- The Rhode Island Department of Environmental Management (RIDEM) is currently operating a network of monitors around the Port of Providence with funding received from a Community-Scale Air Toxics Monitoring grant. In addition to monitoring for Volatile Organic Compounds (VOCs) and PM2.5, staff are regularly monitoring odors around the Port. Community members

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<sup>1</sup> Enhanced Air Quality Monitoring for Communities; RFA#: EPA-OAR-OAQPS-22-01.  
<https://www.epa.gov/grants/enhanced-air-quality-monitoring-communities>

often notify RIDEM when odors are present, and at times will be given the necessary equipment to collect a VOC sample on their property when they feel odors are noxious. As a result of odor complaints this past summer, an inspection was performed at an asphalt facility that appeared to be producing noxious fumes, which resulted in the initiation of an enforcement action. RIDEM expects to see spikes in the PM2.5 data when seasonal asphalt production at this and other facilities begins again this spring. Regular monitoring for PM2.5 along with meteorological data collected will be useful in determining the source of odors in the future, helping to inform potential enforcement actions.

- The Maryland Department of the Environment (MDE) is working in partnership with the Town of Cheverly, a community just outside of the District of Columbia, to improve air quality. The effort was initiated by Dr. Sacoby Wilson, Associate Professor and Director of the Center for Community Engagement, Environmental Justice, and Health in the University of Maryland School of Public Health. The partnership involves a hyper-local air monitoring network, air-quality-related community capacity building, and an initial set of community driven actions to reduce exposure and risk to air pollution. In 2021, MDE used the hyper-local data and community input to run a targeted inspection program that looked at stationary and mobile sources. From that effort, several emission reduction actions are now being implemented. These include enhanced education and enforcement efforts on potentially illegal truck idling and fugitive dust, continuation of the targeted inspection program, and initiatives to clean up local diesel emissions. The community plays an active role in all of these initiatives. MDE has begun to implement similar partnerships in other Maryland communities with concerns over environmental justice.
- The District of Columbia's Department of Energy and Environment (DOEE) will begin its pilot mobile, hyper-local monitoring program this year. DOEE plans to collect precise, accurate hyper-local monitoring data using a mobile monitoring platform throughout three neighborhoods in DC to report on potential air pollution hotspots. This monitoring will include using high-performing, innovative sensors to take accurate readings of pollutants at high spatial and temporal resolutions. Measured pollutants will include particulate matter, nitric oxide, nitrogen dioxide, carbon monoxide, methane, ozone, Total Volatile Organic Compounds, and black carbon. DOEE also held Clearing the Air community workshops to help the public get to know DC's Air Quality Division (AQD). Topics covered in this series of workshops included how AQD performs inspections, policies, air quality trends, and how pollutants are monitored in DC.

These are just a few examples of the kinds of activities already underway in jurisdictions participating in the new community of practice workgroup. We look forward to sharing additional examples and updates as the workgroup's activities expand.

In addition to accelerating the expansion of on-the-ground air quality monitoring efforts, this air quality monitoring community of practice aims to foster sharing of information, lessons learned, and best practices. To that end, jurisdictions plan to actively engage with frontline communities,




community-based organizations, other agencies, public health experts in academia, other stakeholders, and trade associations such as the National Association of Clean Air Agencies. This coordinated activity can help to ensure that the workgroup's activities are complementary to ongoing federal efforts and will have a lasting impact.

The U.S. EPA's new "Enhanced Air Quality Monitoring for Communities" program represents an important and timely opportunity to help jump start both existing and nascent programs. I would like to extend an open invitation for EPA officials to speak to the workgroup in the future, and we would welcome your suggestions about other ways we can work together to accelerate air quality improvements for overburdened communities. We are committed to keeping lines of communication open and look forward to collaborating with EPA as this work progresses.

If you have any questions, please contact James Bradbury, Mitigation Program Director, Georgetown Climate Center ([james.bradbury@georgetown.edu](mailto:james.bradbury@georgetown.edu)); Tracy Babbidge, Chief of the Bureau of Air Management, Connecticut Department of Energy and Environmental Protection ([tracy.babbidge@ct.gov](mailto:tracy.babbidge@ct.gov)); or Christine Kirby, Assistant Commissioner for the Bureau of Air and Waste, Massachusetts Department of Environmental Protection ([christine.kirby@mass.gov](mailto:christine.kirby@mass.gov)).

Thank you for your time and consideration.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathryn Zyla".

Kathryn Zyla  
Executive Director, Georgetown Climate Center

## Quality Assurance Statement

### 1. Roles and Responsibilities

The District of Columbia (District) Department of Energy and Environment (DOEE) is responsible for putting into action a meticulous quality assurance program. State and local agencies, such as DOEE, perform quality assurance (QA) programs in all phases of the Environmental Data Operations (EDO). An EDO is defined as work performed in the field and in any consultant, contractor, or in-house laboratories to obtain, use, or report information pertaining to environmental processes or conditions.

Dr. Courtney Grimes will be responsible for QA and quality control (QC) aspects of this community monitoring project. She is an Environmental Protection Specialist within the Planning Branch of the Air Quality Division (AQD) in DOEE. Dr. Grimes has a Ph.D. in atmospheric chemistry and has several years of experience working with atmospheric instrumentation and analyzing ambient data. She will oversee key aspects of this new community project in the District. Dr. Grimes will work with the contractors, and with technical leads, field operators and data coordinators in AQD's Air Monitoring Branch. All persons participating on this project will undergo training. Air monitoring trainings are provided through the Air and Waste Management Association (AWMA), the Mid-Atlantic Regional Air Management Association (MARAMA), and the EPA's Air Pollution Training Institute (APTI). The contractor will also provide training to the station operators.

The AQD's Air Monitoring Branch is responsible for maintaining the District's ambient monitoring program required by the Clean Air Act. The monitoring program staff have significant experience with conducting quality assurance. This branch is responsible for the development and implementation of a Quality Assurance Project Plan (QAPP) for the District's monitoring of the criteria pollutants to meet National Ambient Air Quality Standards (NAAQS) set forth by the U.S. Environmental Protection Agency (EPA).

### 2. Acceptable Data Quality

DOEE is proposing to use emerging technology air sensors for this community monitoring project. DOEE will not use the community monitors for regulatory efforts but for community air quality awareness and public engagement.

#### A. Data Quality Objectives

Data quality objectives (DQO) are qualitative and quantitative statements that are meant to clarify the purpose of the study, define the most appropriate type of information to collect, and determine the most appropriate conditions from which to collect that information. DOEE establishes DQOs based upon the federal and state data quality requirements to meet the NAAQS. However, the community monitoring DQOs are as follows:

- provide near real-time ambient air quality data to the public;
- better understand pollutant emissions on a local level; and

- support community engagement, citizen science, and research.

## B. Data Quality Indicators

Data Quality Indicators (DQI) are meant to ensure the monitoring data is of quality and meets the DQOs. DQIs will need to be modified depending on the instrument or sensor used. Table 1 (below) is a list of DQIs for most of the parameters that are to be measured at the community monitors. Precision is based on a 90 percent confidence limit for the coefficient of variation. The criteria listed is based on evaluations from the *Village Green Project – Self-Powered, Real-Time Air Monitoring QAPP (US EPA)*.

Table 1: DQIs for the various parameters.

Parameter	Criteria	Data Completeness	Precision	Time Resolution
Ozone (O <sub>3</sub> )	-Ozone < 0.25; Ozone > 200 ppb -Flow rate between 600-2000 ccm -Temperature in range of 0 to 50 C	75%	10%	5 min or less
Fine Particulate Matter (PM <sub>2.5</sub> )	PM <sub>2.5</sub> ≥ 0.1 µg/m <sup>3</sup> ; PM <sub>2.5</sub> < 200 µg/m <sup>3</sup>	75%	10%	5 min or less
Wind speed/direction	-Wind speed < 20 m/s -Wind direction between 0 and 360 degrees	75%	10%	5 min or less
Temperature and Relative Humidity	Temp > -20 °C RH >= 0%, RH <= 100%	75%	10%	5 min or less
Nitrogen Dioxide (NO <sub>2</sub> )	Be able to detect < 12 ppb	75%	10%	5 min or less

## C. Maintenance and Checks

Each community monitor will undergo calibrations, precision checks and maintenance, etc. Notes and logging checks in notebooks will be performed by field operators. Table 2 describes general instrument maintenance and checks for most of the parameters. This may change according to recommendations from the manuals of the instruments/sensors used.

Table 2: Maintenance Schedule and Instrument Checks

Instrument/ Parameter measured	Maintenance	Manual Calibrations/Flow checks
PM <sub>2.5</sub> (photometric / scattering technique)	Flow check Zero check with HEPA filter.	Flow checks monthly Zero check placing HEPA filter on the inlet Checking for obstructions at sampling inlet.
Ozone	Replace pump as needed Replace scrubber as needed	Quarterly calibration checks with NIST standard
Wind Sensor	Ensure there is no blockage of the wind mast and anemometer is properly aligned	Verification from a nearby weather station on a quarterly basis
Humidity/Temperature	Ensure sensor is free from damage/blockage	Quarterly calibration of temperature and humidity data with a standard

## 1.0 Project Summary and Approach

**Project Title:** Enhancing Air Quality Data with Storytelling to Advance Environmental Justice

<b>Applicant Information</b>	Department of Energy and Environment, Kelly Crawford, 1200 First St NE, 5 <sup>th</sup> Floor, Washington D.C. 20002. <a href="mailto:Kelly.Crawford@dc.gov">Kelly.Crawford@dc.gov</a> .	
<b>Set-Aside</b>	No Set-Aside	
<b>Applicant Organization</b>	State Environmental Agency – Air Quality Division.	
<b>Partners</b>	<ul style="list-style-type: none"> <li>American University Center for Environmental Policy, Center for Environmental Filmmaking, Daniel Fiorino and Maggie Strogner</li> <li>DC Advisory Neighborhood Commission 5D, Sebreana Rhodes</li> <li>DC Advisory Neighborhood Commission 8C, Salim Adofo</li> <li>DC Advisory Neighborhood Commission 6D, Rhonda Hamilton</li> <li>DC Health, Dr. Anita Arno</li> <li>Empower DC, Parisa Norouzi</li> <li>Friends of Oxon Run, Brenda Richardson</li> <li>Justice for Brentwood, Selah Bell</li> <li>NAACP – Washington DC Chapter, Akosua Ali</li> <li>Namati, Jay Monteverde</li> <li>Office of Racial Equity, Dr. Amber Hewitt</li> <li>University of Maryland Center for Community Engagement, Environmental Justice, and Health, Dr. Sacoby Wilson</li> </ul>	
<b>Project Location</b>	Washington, DC – three environmental justice neighborhoods to be determined by Air Quality Advisory Board	
<b>Air Pollutant</b>	PM2.5; Ozone; tVOC, NOx	
<b>Budget Summary</b>	EPA Funding	Total project cost
	\$500,000	\$500,000
<b>Project Description</b>	<p>The District of Columbia Department of Energy and Environment’s (DOEE) Air Quality Division will establish a shared governance structure to put air quality data and decision making in the hands of communities with technical and administrative support from the agency. We will achieve this by installing three new air quality monitors in overburdened communities to monitor PM2.5 and Ozone, empower families living in neighborhoods historically overburdened by air quality to share their stories of environmental injustice and personal experiences with air quality in their environments, and map both of these new data sources (along with existing air quality data) in an online tool. DOEE will work with community organizations to create an air quality advisory board to provide guidance and make final decisions about the online tool, community outreach and engagement, and the location for air quality sensors.</p>	
<b>Project Period</b>	November 2022 – November 2024	

## A. Overall Project

To address environmental justice (EJ) and air quality in the District of Columbia (the District), this project will seek to (1) implement a shared governance structure for decision-making throughout the project, (2) empower residents and local governments to take quick actions to reduce exposure and respiratory distress during times of poor air quality, (3) provide residents in environmentally overburdened communities with localized data on air quality, (4) raise awareness on localized pollution and associated health and quality of life impacts to not only the EJ communities, but the District as a whole, and (5) set up a framework for building out a more robust EJ mapping tool.

1. **Shared Governance:** Drawn from the success of EPA's E-enterprise model, this project will adopt a model of shared governance with community partners to ensure that residents are the main decision makers of the project itself and not service beneficiaries. Shared governance is a structure and process for partnership, equity, accountability, and ownership. It puts the responsibility, authority, and accountability for project-related decisions into the hands of the individuals who will be directly impacted by the decision. To facilitate this, an Air Quality Advisory Board (AQAB) will be formed of at least six community EJ representatives from Wards 1, 4, 5, 6, 7, and 8 as well as technical experts from local universities; the total number of participants will be 7-15 individuals. Based on conversations with partners, DOEE's role would be to organize semi-monthly meetings, note-take, and provide online access to the meetings using WebEx. DOEE will use the AQAB to ensure that time and resources through this grant are allocated in a way that aligns with the needs of historically overburdened communities in the District. Specifically, the AQAB would determine where the monitors will be placed (with assistance from DOEE on what is technically feasible), what data is most important to communicate through the online tool and how to design the tool for community use, assist with identifying community members interested in sharing their stories on film, assist with disseminating and training on how to use the online tool once it is final, develop metrics to measure progress, and produce a final report with recommendations for next steps after the end of the project period.
2. **Online EJ Mapping Tool and Community Dashboard:** At the direction of the AQAB, DOEE would create an online Air Quality EJ Mapping tool ("online tool"). This online tool will be used to communicate air quality data from DOEE's existing regulatory network, DOEE's mobile hyperlocal monitoring project, and the community air monitors proposed under this grant; display air quality alerts; and display community member stories. We plan for the online tool to provide users with the ability to receive location specific advisories of typical pollutant events and weekly pollution summaries. These messages will be timely and personalized to the area in which the website visitor resides. This will directly benefit communities impacted by poor air quality as they will be better informed about risks due to outdoor air and be educated to take actions to minimize their risks. The tool would be used to empower communities disproportionately burdened by air pollution by making data more accessible and community friendly and by providing them with actionable, timely alerts about air quality in their neighborhood. The online tool would build upon existing work between DOEE and DC's Office of the Chief Technology Officer (OCTO) to display monitoring data from a reference monitor in an EJ community in the District (Buzzard Point); either OCTO or an outside vendor would take on the work to design the tool. The tool will be updated and refined based on feedback from the AQAB and meetings with community members, as resources are available. Training on and sharing of the tool will be led by the AQAB with support from DOEE.
3. **Air Quality Monitoring:** DOEE will install and maintain three new air quality monitors at locations determined by the AQAB. The monitors will measure PM<sub>2.5</sub>, Ozone, VOC, and NO<sub>x</sub>, along with meteorological conditions. The monitors will resemble the Village Green air quality monitors, one of

which DOEE currently maintains at the National Zoo. Monitors will also have displays where residents and visitors can learn where the data is available online, as well as the purpose of the project.

4. **Storytelling:** Stories, and the qualitative data they provide, tend to be undervalued in both science and government. Generally, when discussing data, decision-makers lean on numbers, which means the lived experiences of people and the stories behind each data point may be overlooked. Stories provide valuable information that give context to quantitative data. Numbers only give us a partial view of how people experience systemic issues like environmental injustice. This project takes inspirations from the West African concept of griots and W.E.B. DuBois' data project which illustrated the impact of policy on Black citizens in 1900. Using these examples as a guide, DOEE plans to empower residents by giving them tools to amplify their voices and their experiences. The storytelling portion of this project will address a traditional data gap by collecting community member stories to include on the online tool. As part of this initiative, DOEE will work with the AQAB and other partners to identify individuals from geographically and racially diverse communities in the District who are interested in sharing their experiences with air quality. Research suggests that for many programs, participation in community science and similar efforts are not reflective of the demographics of the population of potential participants but instead is concentrated among more privileged groups. With guidance from the AQAB, the selection of participants in the project will align with the demographic makeup of the neighborhoods historically overburdened by poor air quality. Outreach to these individuals will occur at local Advisory Neighborhood Commission (ANC) meetings and other neighborhood gatherings. DOEE will work with partners, especially American University (AU), to develop and deliver workshops to DC residents to aid them in recalling and telling their stories on camera. The workshops will also occur at neighborhood and other stakeholder meetings and will include handouts and educational materials. Students from AU will also work collaboratively with residents to build trust and work on capturing stories, observations, and experiences. In addition to interviews, students will gather archival assets from residents and from historical archives in order to compile a visual narrative of the historic retellings. Students will edit videos so that they are approximately 2-3 minutes each and will catalog the videos by location, including latitude/longitude data so that the videos can be incorporated into the online tool. The video series will also be edited and compiled into a short film to highlight the progress and remaining air quality challenges in the District. This film will be made available to the film festival circuit. The series of short videos will also be shown using the DC Humanities Truck at locations throughout the District such as the Anacostia Museum, Oxon Run Park, other parks, playgrounds and sports venues to raise awareness about air quality issues and engage the broader public in the project.
5. **Future EJ Screening Tool:** The online tool would create future opportunities for DOEE to embed our existing 311 App (which allows users to issue complaints directly to DOEE on potential Air Quality violations), air quality permitting/source data, health data, demographic data, climate data (flooding, urban heat islands), and other environmental indicators into the tool to better understand cumulative risk and identify EJ communities in the District. This dashboard will be part of a larger effort to develop a tool similar to EPA's EJ Screen, which would help decision makers understand cumulative risks in neighborhoods. Plans for this next phase will be led by the AQAB.

## **B. Project Significance**

This project seeks to address several, interconnected problems identified in EJ communities:

- **Communities lack data relayed in an accessible manner:** Local communities do not have adequate, on-going resources to understand and interpret air quality monitoring data in the District. Through this project we can create opportunities to relay data in a way that is community-relevant.
- **Air Quality is the interface where most people experience their environment:** Healthy air quality is crucial to public health; however, many communities don't have the resources or capacity to understand how air quality impacts their daily life. Through this project, we can communicate and educate on the significance of air quality and actions individuals can take to reduce their exposure to poor air quality.
- **Residents don't have the tools or data to illustrate their lived experiences:** Through formal testimonies, as well as conversations with our community partners, there is an expressed desire to tell personal stories of the people impacted by environmental injustices and poor air quality across communities in the District. Residents of Buzzard Point, for example, have been working to document their experiences. This project would provide resources for individuals to create impactful vignettes of how they experience air quality and related policy decisions at a local level. Furthermore, it would create opportunities for residents across the District to understand challenges that some of their neighbors face.
- **Monitoring network limitations:** The District's existing regulatory ambient air quality monitoring system consists of only five federal regulatory stationary monitors in Wards 1, 4, 6, and 7 and the additional Village Green monitor in Ward 3. The existing regulatory monitoring system does not provide an accurate representation of the pollution levels that residents experience every day in their neighborhoods. This project would benefit residents of EJ communities who do not live near an existing monitor, and therefore do not relate to the resulting data and cannot understand their everyday exposure levels.
- **Health Disparities:** Recent studies have shown that exposure to PM2.5 and rates of certain health problems are highest in the southeastern, southwestern, and northeastern quadrants of the city—areas that have historically had higher percentages of people of color, as well as people with lower household incomes and lower educational attainment. This project would address health disparities by providing actionable resources in the online mapping tool to help residents avoid outdoor air pollution on poor air quality days. It would also provide summaries of neighborhood air quality data so that agencies and other decision makers can make more informed decisions about potential development that may impact air quality in overburdened communities.

## Section 2

### A. Community Partnerships

Many of our community partners wished to apply directly for these funds, however, we endeavored to bring them together to enhance impact while relieving them of much of the administrative burden entailed in developing this competitive grant application. DOEE is applying for these funds on behalf of our partners to achieve our shared goals.

**AMERICAN UNIVERSITY:** American University's Center for Environmental Policy informs and educates future environmental leaders, while promoting innovative technologies, policies and practices in order to strengthen environmental, energy, climate, sustainability and EJ practices. American University's Center for Environmental Filmmaking seeks to inform, inspire and empower people to engage in the critical environmental challenges through innovative media making. AU will bring together filmmaking students with DC residents to highlight the experiences of those facing air pollution in their daily lives through this proposal. AU is very experienced in this area, and recently partnered on the film, symposium, and webinar series *Unbreathable: The Fight for Healthy Air*, which weaves

historical milestones with current day stories of environmental injustice. American has been working with DOEE for several years; Kelly Crawford has contributed to many of AU events, and one of AU's students will be serving as a DOEE intern. The Center for Environmental Policy is also currently implementing the second year of a New York Community Trust Grant with an emphasis on community air monitoring as an EJ strategy, and this project will help support those efforts.

**ANC MEMEBERS SALIM ADOFO; RHONDA HAMILTON; SEBRENA RHODES:** Advisory Neighborhood Commissioners (ANC) are unpaid elected officials charged with increasing representation of District residents for matters of local governance and decision-making. Rhonda Hamilton has been a commissioner on ANC 6D, representing Buzzard Point for over 10 years. Salim Adofo is the Chairperson of ANC 8C. Sebrene Rhodes represents ANC 5D, in Ivy City. These three ANC members represent some of the most environmentally overburdened and vulnerable populations within the District. DOEE has been working in partnership with all three ANC members for several years on issues of EJ and in developing our EJ regulation. Sebrene Rhodes also led Empower DC and Friends of Crummell School to stop the development of a bus depot on the site and Rhonda Hamilton has worked to ensure fence line air quality monitors as well as dust mitigation measures were placed in Buzzard Point. All three ANC members would serve on the AQAB and lead the direction of monitor placement, development of the online tool, as well as help identify individuals in their neighborhoods who may be interested in participating sharing their stories on film. ANC members would also help share the tool with their communities and continue to partner with DOEE on building a more robust mapping tool after the conclusion of this project.

**DC HEALTH, OFFICE OF HEALTH EQUITY:** The Office of Health Equity collaborates with other government agencies, community partners, and all DC Health Administrations to ensure a multi-pronged cohesive strategy is developed to identify and address the social determinants of health, which are the key drivers of inequities in health outcomes. As part of this project, DC Health will serve on the AQAB to provide insight about vulnerable populations within the District, providing additional health data to other board members so that they can make informed decisions about monitor locations. DC Health and DOEE have partnered on several equity initiatives already, including a health equity intern at DOEE. DC Health would collaborate on the next phase of this project, to incorporate health data into the mapping tool displaying air data.

**EMPOWER DC:** Empower DC has a strong track record of working to strengthen organized political power among D's lowest income communities to address issues of critical importance, including stopping a polluting bus depot from locating in the heart of a low-income Black community and documenting previously unknown community history. Empower has a long-standing commitment to two of DC's most historic Black communities – Ivy City and Barry Farm – in their fights for community-led equitable development. A member of Empower DC will serve on the AQAB, providing insight into which EJ communities in DC would benefit from this project, how we can recruit residents for storytelling, and best ways to meet directly with residents. Empower will benefit from this project as it will enhance work around documenting the history and experiences of Black residents and provide useful data directly to grassroots organizers. DOEE has a long history of partnership with Empower DC, including assistance with our Sustainable DC 2.0 plan and with the Air Quality Division community walks to identify pollution sources. DOEE will continue to partner with Empower DC after the end of the grant period to improve upon the online tool.

**FRIENDS OF OXON RUN PARK:** The Friends of Oxon Run Park is a nonprofit organization whose mission is to preserve greenspace in Ward 8. The organization works with communities that experience environmental inequities, especially in relation to safe outdoor spaces. Friends of Oxon Run Park would



assist by connecting us with community spaces in Ward 8 to share the film workshops, and by hosting an event at the park once the films are complete.

**JUSTICE FOR BRENTWOOD:** Justice for Brentwood has mobilized to fight a proposed bus depot in the Brentwood neighborhood, an area already overburdened with environmental hazards. The organization has experience in grassroots organizing and fighting for healthy air quality in a historically Black community. Justice for Brentwood will serve on the AQAB and provide meaningful insight about communicating air quality data to residents in the community, as well as helping identify individuals interesting in sharing their experiences on film. DOEE has worked with Justice for Brentwood on community walks and attending community meetings to discuss air quality and the bus depot. DOEE will continue to partner with the organization, especially as we begin our mobile air quality monitoring pilot project this spring, which will collect data in the Brentwood/Ivy City neighborhood. Through this proposal, we will be better equipped to share the mobile monitoring data in a community-friendly way.

**NAMATI:** Namati's US EJ Program works with advocates and communities facing environmental injustice by providing legal empowerment. Namati has a history of working with DC's Buzzard Point neighborhood on issues of development and associated air quality impacts, especially dust. Namati trained local community leaders in Buzzard Point on environmental law and helped the community with contacting city officials. A member of Namati would serve on the board, providing guidance on how to make the data tool more useful for community members. DOEE has been working with Namati on a potential air quality EJ regulation and will continue to partner with them on air quality and environmental issues after the grant period.

**NAACP:** The Washington Branch of the NAACP is a fierce advocate for EJ, clean energy, climate justice, and transportation equity while advancing diversity, equity and inclusion across the District. The proposed project would be an opportunity for the NAACP to further advance racial equity and foster sustainable communities. A member of the Washington Branch would serve on the AQAB and assist with the design of the online tool and with training residents of the District on how to use the tool. DOEE and NAACP will continue to meet after the project period ends to see how air data and the resulting online tool can advance racial equity in the District.

**DR. SACOBY WILSON:** Dr. Sacoby Wilson will bring a wealth of EJ knowledge to this project, as well as significant background on EJ screening and mapping tools specific to communities in the DC-Maryland area. Dr. Wilson has over 20 years of experience as environmental health scientist and works primarily in partnership with community-based organizations to study and address EJ and health issues and translate research to action. Dr. Wilson will serve on the AQAB advising on data collection and how the project's air quality data and community stories can be policy-relevant and translatable to decision-makers. Dr. Wilson will also help advise DOEE on next steps in the project, including how to build a more robust EJ screening tool. DOEE has partnered with Dr. Wilson on several grants, speaking opportunities, and he continues to advise on our EJ regulation development.

**DC OFFICE OF RACIAL EQUITY:** The Mayor's Office of Racial Equity (ORE) collaborates with District agencies and the community to apply a racial equity lens across government operations. ORE envisions a District where everyone can thrive with a sense of agency and where race will no longer predict opportunities, outcomes, or the distribution of resources. ORE will assist by being on the AQAB and with sharing project results with other District agencies. ORE is also focused on DC's broader racial equity goals, which are closely related to our EJ goals, and this will help ORE better understand community air impacts.

## B. Community Engagement

Community engagement works best where it is an ongoing cumulative process enabling relationships and trust to build and strengthen over time. This project will be planned and designed with this in mind by establishing a shared governance structure through the AQAB which meets on a semi-monthly basis. Outside of the AQAB, community or voluntary groups may want to participate at a range of levels – from co-designing the mapping tool to undertaking only specific aspects of the engagement. We will create opportunities for involvement on specific topics by leveraging some of our existing outreach initiatives, including our “Clearing the Air” workshops. DOEE has held these semi-monthly workshops on a variety of air quality topics and recently released an RFA for additional outreach and support of this initiative from outside the agency. We currently have a mailing list that consists of 200 people interested in air quality issues across the District. We will also be able to leverage ongoing work like community walks, our hyperlocal mobile monitoring project, and our outreach on a potential EJ regulation as part of this project. DOEE, other government partners, and the AQAB will also be prepared to call on other existing partnerships, like local environmental groups (e.g., Sierra Club), other ANC members, universities, cultural event organizers (e.g., Broccoli City), and more to assist with sharing the online tool and air quality data. Both our workshops and our ongoing partnerships will allow for continuous data sharing throughout the course of the project and after this project period has ended. Most importantly, the tool will continue to be improved upon after the project period with more community input and data sets over the years to eventually build an EJ screening tool.

## Section 3 – Environmental Justice and Underserved Communities

This project will primarily address EJ in the District through the exchange of decision-making power. The AQAB will formalize a process for communities, with technical support from DOEE, to have the power to serve and protect their community. The resulting tool, which will include community accounts of air pollution in their neighborhoods as well as air quality data, will amplify community voices while providing useful, timely data to individuals historically overburdened by poor air quality to take action to protect their health during poor air quality events. This data will not only be community-relevant and accessible but also policy-relevant as DOEE is a rule-making authority. Furthermore, our partnership with ORE means that the tool will be shared with other regulatory agencies in the District.

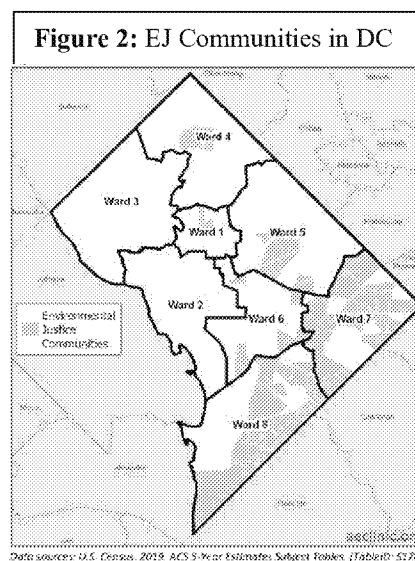
Black and low-income community members in the District are especially vulnerable to environmental risks, like poor air quality, for several reasons:

- **Higher Rates of COVID-19 Mortality:** Elderly and Black populations have faced disproportionate impacts from COVID-19 in the District. Although Black people comprise 45% of DC’s population, they make up 75% of all COVID-19 deaths in the city. In comparison to all US states and territories, D.C. has the largest gap between the Black population and their percentage of all COVID-19 deaths. Black people also have lower rates of vaccination than White people in DC. For example, 67% of White adults ages 75+ have received a booster shot, compared to 55% of Black adults 75+.
- **Higher Rates of Preventable Illnesses:** A recent study in DC also illustrates that rates for heart failure, diabetes, stroke, chronic obstructive pulmonary disease (COPD), and asthma were two to three times higher in Black older adults than their white counterparts. Similar trends were found for breast, colorectal, prostate, and lung cancers. Preventable hospitalizations, a proxy for assessing the quality and capacity of a community’s primary care infrastructure, were two times higher for Black older adults than for whites.
- **Unequal Burden of Poor Air Quality:** A recent study using satellite data found that PM2.5 concentrations and associated health burdens have decreased in DC between 2000 and 2018, from

approximately 240 to 120 cause-specific deaths and from 40 to 30 asthma ED visits per year (between 2014 and 2018). However, remaining PM2.5-attributable health risks are unevenly and inequitably distributed across the District. Higher PM2.5-attributable disease burdens were found in neighborhoods with larger proportions of people of color, lower household income, and lower educational attainment (Figure 1). Local air monitors will illuminate this unequal burden by adding to the growing body of research which demonstrates this unequal burden, empowering community members with a better set of tools to advocate for their communities and assist decision makers and scientists with more localized air quality data.

The District remains densely populated and racially divided among its eight wards; however, the differences between Wards in terms of health outcomes and pollution burden have become less stark over time. Because of this, our project will focus on all wards within the District with populations historically overburdened by poor air quality, including Wards 1, 4, 5, 6, 7, and 8.

**EJ Communities across Wards:** Recently, the Office of People’s Council (OPC) in DC worked to create a proposed DC-specific “EJ” community definition drawing which drew upon the EJ community definitions used in NJ, NY, and PA. OPC defined an EJ community as any census tract that meets both of the following criteria: 20% or more of the population lives at or below the federal poverty line; and 60% or more of the population identifies as a race other than non-Hispanic/Latinx white. Based on this new definition, 51 of the District’s 179 census tracts (28%) are identified as EJ communities (Figure 2). More than 70% of EJ census tracts are in Wards 7 and 8.



**Ward-specific Health Outcomes:** Although in the aggregate, the city boasts an impressive health profile, life expectancy and quality of life indicators in many historically overburdened communities of the District do not reflect trends found in other parts of the city. For example, life expectancy in Wards 7 and 8 combined was 73 years in 2019, compared to 86 years in Wards 2 and 3 combined. Children’s National Emergency Department data shows children who live in Ward 8 have 20 to 25 times the number of emergency department visits for asthma as their counterparts who live in more affluent Northwest neighborhoods.

**Community Transportation History and Air Quality:** The development of the highway interstate system in the mid-twentieth century, particularly the construction of I-395 through Southwest and the Anacostia Freeway (I-295) through Southeast, exacerbated the already-rapid displacement of low-income communities of color to neighborhoods east of the Anacostia River. I-295 also makes it more difficult to access Downtown and increases transportation-based pollutants in the predominantly Black communities of Southeast. While traffic and air pollution are problems throughout the city, evidence points to motor vehicle air pollution being concentrated along the interstates and highways that serve as major commuter routes, with the heaviest traffic channeled through Southeastern DC (Wards 6 and 8). This project would help us better characterize the air pollution burden in these areas.

**Whitehouse Climate and Economic Justice Screening Tool:** Unfortunately, the District does not have a tool which can summarize environmental risks, demographic data, and health data to assess potential EJ neighborhoods. We have used EPA’s EJScreen tool in the past to determine potential EJ neighborhoods, and we have recently explored the Whitehouse screening tool as well (Figure 4).

Unfortunately, these tools often fail to capture established EJ neighborhoods, like DC's Ivy City, which highlights the importance of creating a locally developed and community-informed mapping tool.

## Section 4

### A. Expected Project Outputs and Outcomes

Please see the table below for a summary of proposed outputs and outcomes.

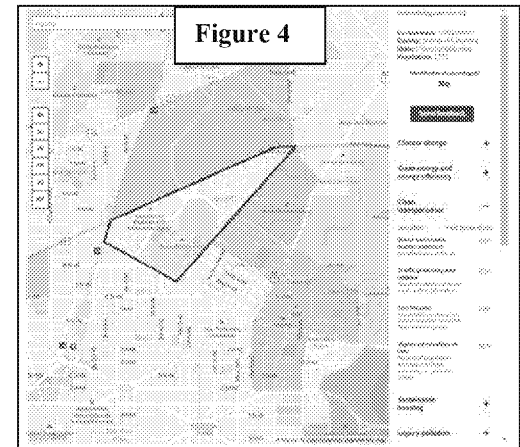


Table 1: Project Outputs and Outcomes	
Outputs	Outcomes
<ul style="list-style-type: none"> <li>Three community monitors deployed in EJ neighborhoods</li> <li>Three DOEE staff members trained in how to educate on function of local air monitors</li> <li>Creation of a functional, interactive, and community informed AQ data dashboard display</li> <li>Collection and organization of at least 25 video community stories within the dashboard</li> <li>At least 5 and up to 8 workshops held with community members on how to share personal stories relating to their environment</li> <li>Short film highlighting the progress and remaining air quality challenges in the District</li> <li>Tool shared with community members, government staff, and other interested parties at a minimum of 10 community meetings, 5 government meetings, and 5 national or regional conferences or webinars, and shared as requested at other meetings or avenues for dissemination</li> <li>Conduct at least 5 AQD inspections based on community stories in the dashboard</li> <li>Collect at least 5 days of full data per week from each monitor deployed, uploaded to the dashboard for at least 12 months during the course of the project, and continually thereafter</li> <li>Have at least 100 unique visits to the dashboard from resident and community users</li> <li>Host 12-16 semi-monthly AQAB meetings to assess program progress, and plan for next steps in building a more robust EJ mapping tool</li> <li>Completion of a report by the AQAB recommending next steps in the project after project ends</li> </ul>	<p><b>Short-term outcomes</b></p> <ul style="list-style-type: none"> <li>End users are aware of the significance of local air quality issues</li> <li>Communities use air quality information to take preventative action to minimize personal exposure</li> <li>Increased ability to leverage resources</li> <li>Increased ability to speak about air quality issues affecting community</li> <li>Increased ability to cite data, current and historical, in discussing air quality issues</li> <li>Increased ability of DOEE staff to discuss air quality and community impacts</li> <li>Increased knowledge and awareness of historical EJ issues in DC for all residents and decision-makers</li> <li>Improved local monitoring data</li> <li>Improved ability to analyze local AQ trends</li> <li>The community, government, and decision makers have access to the right AQ information, at the right time and at the right scale</li> <li>Enhanced stakeholder engagement and collaboration on air quality</li> </ul> <p><b>Long-term Outcomes</b></p> <ul style="list-style-type: none"> <li>Empowered partners</li> <li>EJ and Equity-informed policy makers and leaders</li> <li>Improved health outcomes for EJ communities</li> <li>Develop methodologies to model air quality in regions without access to ground-based monitoring data</li> <li>Changes in environmental health policies and regulations to align with community experiences and priorities</li> <li>Increased collaboration with CBOs on external programs</li> <li>Discussions with local stakeholders to determine long-term direction for project</li> <li>More community input on issues which could affect AQ in their neighborhoods</li> </ul>

### B. Performance Measures and Plan

The AQAB will meet monthly to review progress along the expected timeline and through the proposal and logic model. The AQAB and DOEE will use this time to discuss challenges, discover additional opportunities for collaboration, create mutually agreeable timelines, and discuss ways to course correct. During meetings, DOEE and partners will summarize progress made regarding the outputs listed above and discuss additional metrics of interest to the AQAB. DOEE will provide progress reports on a

quarterly basis to the AQAB on development of RFPs and RFAs for monitoring equipment and the development of the online tool, along with any other updates required by the board. DOEE will present developments and provide demos at each meeting. AU will also provide quarterly progress reports to the Board and DOEE about meeting its targets. DOEE and the AQAB will develop a feedback form for community members to share their perspectives on the usefulness and user experience with the online tool, which will be shared at ANC and other community meetings. These forms will be used to guide development of the tool and make improvements.

<b>Table 2: Evaluation Matrix and Program Targets</b>			
<b>Indicator</b>	<b>Source</b>	<b>Partner</b>	<b>Goal</b>
Number of community monitors deployed and active in EJ neighborhoods	DOEE progress reports	DOEE, Vendor TBD	3 Monitors
Number of staff trained on how to educate on local air monitors	DOEE progress reports	DOEE, Vendor TBD	3 Staff members
Creation of a functional, interactive, and community informed AQ data dashboard display	DOEE and Vendor progress reports	DOEE, Vendor TBD	1 tool
Number of community stories collected	DOEE and AU progress reports	DOEE, AU, AQAB	>25 stories
Number of workshops on storytelling held	American University	AU, AQAB	5-8 community workshops
Number of meetings held to share the online tool	DOEE progress reports	DOEE, AQAB	10 community mtgs, 5 government mtgs, 5 conferences or webinars
Number of feedback forms collected on ease of use, usefulness, etc. From community members	DOEE progress reports	DOEE, AQAB	>30
Visits to online mapping tool	Vendor progress reports	DOEE, Vendor	>100
AQ data collected	DOEE progress reports	DOEE	>5 days of full data per week per monitor; uploaded for >12 months
Semi-monthly AQAB meetings held	DOEE progress reports	AQAB, DOEE	12-16
Number of AQAB members invited/nominated to Board	DOEE progress reports	AQAB, DOEE	At least 15, with at least 8 selected

### C. Timeline and Milestones

<b>Table 3: Milestone Schedule</b>	
<b>Activity</b>	<b>Date</b>
Grant awarded	November 1, 2022
Partners invited and nominated to participate in AQAB; RFA released for Board and Storytelling/film portion	December 1, 2023
Request for vendor bid to develop online tool	February 1, 2023
1 <sup>st</sup> AQAB meeting conducted; held approx. monthly thereafter	February 1, 2023
Semi-Annual Report to EPA	April 30, 2023
Sub-grant competitively awarded for online mapping tool	May 1, 2023
Locations of monitors selected	May 1, 2023
RFA released for monitoring equipment	May 15, 2023
Kick-off meeting conducted with partners and subgrantees to discuss goals and activities	June 15, 2023
First storytelling workshops held	June 30, 2023
First community feedback on online tool collected; continuous	June 30, 2023
Vendor selected for monitoring equipment	July 15, 2023
Online mapping tool finalized with existing AQ data	August 1, 2023

Monitors installed and data online	September 1, 2023
Training of DOEE staff on monitor maintenance, communication complete	September 20, 2023
Begin analyzing and sharing new data at community meetings	October 1, 2023
Semi-Annual Report submitted to EPA	October 31, 2023
Stories from AU finalized and uploaded into mapping tool	November 1, 2023
12 <sup>th</sup> AQAB meeting conducted	February 1, 2024
Community, government, and other outreach meetings on the tool results begin	March 1, 2024
Semi-Annual Report submitted to EPA	April 30, 2024
Short film complete, begin sharing with DC community at parks, etc.	April 30, 2024
Final Quarterly AQAB meeting conducted; recommendations for next steps complete	September 1, 2024
All community and other outreach meetings complete	September 1, 2024
Final Technical Report submitted to EPA	October 30, 2024

**Section 5:** *Please see the attached Quality Assurance Statement*

## Section 6

**A, B: Past Performance and Reporting:** Examples of DOEE's performance on EPA awards over the last three years include: **Grant 1:** DE-EE0007911. FY16 – FY21. \$2,817,755. *Performance:* DOEE has been improving the safety, comfort, and energy efficiency of income-qualified homes since the program's inception in 2009. Quarterly reports have been timely and the WAP program is expected to meet its expectations this fiscal year. **Grant 2:** F20AF12138. FY 21. \$300,000. *Performance:* DOEE successfully performed all promised work on this grant, coordinating the agency's Sport Fish Restoration activities. DOEE has received a grant to manage and coordinate the entire agency's Sport Fish Restoration work annually since at least 2008. DOEE has consistently complied with the grants' work plans, schedules, and terms and conditions, and has met all reporting deadlines. **Grant 3:** 96390001. FY21 – FY23. \$506,322. *Performance:* DOEE is successfully managing this grant and meeting all reporting requirements. **Grant 4:** 96333203. FY19 – FY22. \$611,425. *Performance:* The grant has been successfully managed, since 2016 (#96333202) and the program continues to receive funding. Mid-year and end-of-year reports have been timely and are set to meet all grant commitments. **Grant 5:** 97384703. FY19 – FY22. \$816,200 *Performance:* DOEE has successfully performed all phases of work on this grant since its inception in 2004 by consistently complying with the work plan, schedule, and terms and conditions; DOEE has an excellent track record for on-time reporting, tracking and spending funds and meeting outcomes and outputs.

**C. Staff Expertise:** *Please also see attached bios and resumes*

**Kelly Crawford** is a DC native with over 10 years of experience as environmental professional, including environmental justice, air quality compliance, and enforcement. In her current role as Associate Director of DOEE, Air Quality Division and Chair of DOEE's Equity Committee, she led the development and implementation of the first Racial Equity Impact Assessment (REIA) and associated training for DOEE working within the agency to incorporate equity into the strategic goals and fabric of the agency to advance justice, equity, diversity, and inclusion initiatives to improve both internal culture and program administration to the public. Kelly engages regularly with EJ partners in the District and has strong community and intergovernmental relationships.

### **Budget Narrative**

The AQAB, DOEE's internal grants office, and Kelly Crawford's (project lead) team will work to ensure funding through contracts and subgrants are awarded in accordance with the timeline. If DOEE is awarded, all subawards and contracts will be properly awarded consistent with the applicable regulations.

Equipment	Per Item	Amount	Total
AQ monitors	\$100,000	3	\$300,000
<b>Equipment sub-total</b>	-	-	<b>\$300,000</b>
<b>Contracts</b>			
Maintenance/data acquisition for monitors	\$15,000/year	2 years	\$30,000
Web tool development	\$45,000	-	\$45,000
<b>Contracts sub-total</b>	-	-	<b>\$75,000</b>
<b>Subgrants</b>			
Story telling support	\$50,000	See below	\$50,000
AQAB stipend	\$5,000	15	\$75,000
<b>Subgrants sub-total</b>	-	-	<b>\$125,000</b>
<b>Total Project</b>			<b>\$500,000</b>

### Equipment

Air quality monitoring stations would monitor for Ozone and PM2.5. They will include a bench; Ozone and PM2.5 monitors; meteorological sensors (wind, temperature, and Relative Humidity); and solar panels. Fabrication and installation costs are included. Not included in the EPA budget are costs for VOC and NOx sensors, which DOEE would supply through existing monitoring resources.

### Contracts

- **Maintenance and data acquisition.** DOEE plans to award a sub-grant to maintain the monitoring stations. This sub-grant would also include funding for the continual data acquisition throughout the project. Maintenance and data acquisition have been estimated at \$15,000 per year. **Anticipated award: \$30,000.**
- **Web tool development.** DOEE plans to award a sub-grant to a developer to create the online tool. This tool would be used to communicate air quality data to community members, both from existing regulatory network as well as the new community air monitors, display air quality alerts, and host community member stories. **Anticipated award: \$45,000**

### Subgrants

- **Story telling support.** AU will develop and deliver workshops to DC residents to aid them in recalling and telling their stories on film (\$8,000 to develop and staff workshops). Students will also gather archival assets from residents and from historical archives. Students will edit and catalog videos so that DOEE can use them in the air quality data dashboard (\$13,000 for supervisory stipend). The series of short videos will be shown using the DC Humanities Truck (\$13,000). The video series will be edited and compiled into a short film. This work will be done by a graduate student or consultant (\$9,500 for editing/post-production, \$6,500 for outreach (supplies and advertisements)). **Anticipated award: \$50,000**
- **AQAB members.** We plan to issue a sub-grant for up to 15 AQAB members with significant experience working with DC EJ communities. The members would guide the work through an EJ lens, helping DOEE and other partners identify potential opportunities to address and be sensitive to intersectional health and environmental equity issues. Additionally, these members would help develop evaluation metrics for the project, develop a long-term plan to carry the project into the next phase, and help disseminate project results. **Anticipated award: \$75,000.**

Manifest for Grant Application # GRANT13580064

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 24248 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments\_1\_2-V1.2.pdf (size 16126 bytes)

2. Form SF424\_3\_0-V3.0.pdf (size 24157 bytes)

3. Form SF424A-V1.0.pdf (size 22724 bytes)

4. Form EPA4700\_4\_3\_0-V3.0.pdf (size 22844 bytes)

5. Form OtherNarrativeAttachments\_1\_2-V1.2.pdf (size 15899 bytes)

6. Form EPA\_KeyContacts\_2\_0-V2.0.pdf (size 37448 bytes)

Attachments Included in Zip File (total 9):

1. ProjectNarrativeAttachments\_1\_2 ProjectNarrativeAttachments\_1\_2-Attachments-1239-Community Air Monitoring Narrative.pdf application/pdf (size 218292 bytes)

2. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1234-LetterPacket (5).pdf application/pdf (size 2142534 bytes)

3. ProjectNarrativeAttachments\_1\_2 ProjectNarrativeAttachments\_1\_2-Attachments-1240-Community Monitoring - Quality Assurance Statement\_FINAL.pdf application/pdf (size 74998 bytes)

4. ProjectNarrativeAttachments\_1\_2 ProjectNarrativeAttachments\_1\_2-Attachments-1241-BioResPacket (5).pdf application/pdf (size 1148795 bytes)

5. ProjectNarrativeAttachments\_1\_2 ProjectNarrativeAttachments\_1\_2-Attachments-1242-LetterPacket (5).pdf application/pdf (size 2142534 bytes)

6. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1238-Letter to EPA on Community of Practice 20220323\_sig.pdf application/pdf (size 337584 bytes)

7. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1237-ELI Letter of Support 3-24-22 (1).pdf application/pdf (size 855531 bytes)

8. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1236-For Dir Signature WS00862545-EPA4700\_4\_3\_0-V3.0 -signed.pdf application/pdf (size 173514 bytes)

9. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1235-For Dir Signature WS00862545-SF424\_3\_0-V3.0 -signed.pdf application/pdf (size 163311 bytes)





1730 M STREET, NW, SUITE 700  
WASHINGTON, DC 20036

PHONE: (202) 939-3800

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EMAIL: [law@eli.org](mailto:law@eli.org)

WEB: [www.eli.org](http://www.eli.org)

U.S. Environmental Protection Agency

March 24, 2022

Office of Air and Radiation

Re: RFA No. EPA-OAR-OAQPS-22-01

To Whom it may concern:

The Environmental Law Institute (ELI) is pleased to write in support of the application of the District of Columbia Department of Energy and Environment (DOEE), for a grant under EPA's Community Air Monitoring grant program. DOEE is a recognized leader in this field and its work will provide a model for other communities in the future. ELI believes DOEE is especially well positioned on EPA's rating factor of staff expertise.

ELI has studied the work of DOEE, and worked with DOEE, in a number of ways. DOEE's innovative use of a phone app to help community members report illegal engine idling is one of fifteen case studies discussed in ELI's 2020 Report, "Citizen Science Programs at Environmental Agencies." (See <https://www.eli.org/research-report/citizen-science-programs-environmental-agencies-case-studies>). Kelly Crawford, DOEE's Deputy Air Director, also was an active participant in a series of online conversations that ELI hosted in connection with that report, in which she shared deep practical as well as technical expertise on the process of working with communities who are seeking to gather data on their local environmental conditions. She also discussed how agencies can use that data to inform action in those communities. DOEE also participated in an ELI-hosted webinar to share its experience in this field with other environmental agencies in the US and overseas, through the International Network for Environmental Compliance and Enforcement.

We understand that DOEE is proposing to partner with communities in applying for and carrying out a grant under this program. We believe that this kind of partnership is exactly what is needed to get the greatest value out of community-driven monitoring activities, by building a close relationship with the responsible government agency from the state.

Although ELI is not formally a partner on this grant, it would hope to support work under the grant by helping to share the results of the project with agencies and communities nationwide (and globally). ELI will also be available if needed to help connect DOEE and partners with additional resources and examples of similar projects

ELI strongly encourages EPA to award a grant to DOEE for this initiative.



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WASHINGTON, DC 20036

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EMAIL: [law@eli.org](mailto:law@eli.org)

WEB: [www.eli.org](http://www.eli.org)

Sincerely yours,

A handwritten signature in cursive script, appearing to read "John Pendergrass".

John Pendergrass

Vice President, Programs and Publications

Environmental Law Institute

## Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC

### Biographies and Resumes

Kelly Crawford - Associate Director of DC DOEE Biography.....	Page 2
Dr. Daniel Fiorino - Director of the Center for Environmental Policy American University Biography.....	Page 3
Maggie Stogner - Executive Director of the Center for Environmental Filmmaking American University Biography.....	Page 3
Kelly Crawford - Associate Director of DC DOEE Resume.....	Page 4
Dr. Courtney Grimes - Environmental Protection Specialist DC DOEE Resume.....	Page 9
Dr. Daniel Fiorino - Director of the Center for Environmental Policy American University Resume.....	Page 12

## **Kelly Crawford - DC DOEE**

Kelly Crawford is an environmental expert working to advance equity and environmental justice on at the local, regional and national level. Kelly is a DC native with over 10 years of experience as environmental and emergency management professional, including environmental justice, air quality compliance, enforcement, asbestos permitting, management of environmental systems, integrated contingency planning, and remediation of environmental health hazards and climate change. In her current role as Associate Director of DC Department of Energy & Environment, Air Quality Division and Chair of DOEE's Equity Committee, she led the development and implementation of the first Racial Equity Impact Assessment (REIA) and associated training for the Department of Energy and Environment working within the agency to incorporate equity into the strategic goals and fabric of the agency to advance justice, equity, diversity, and inclusion initiatives to improve both internal culture and program administration to the public. As the state air pollution control officer for the District of Columbia, Kelly serves as chair of the Mobile Sources Committee for the Ozone Transport Commission and Vice-president of the National Association of Clean Air Agencies. She leads a team of scientists and engineers developing and ensuring compliance with air quality regulations through the lens of equity in the District of Columbia. Kelly is a Certified Public Manager (CPM) and holds a M.S. in Management with a focus in Emergency Management from UMUC, and a B.S. in Environmental Science from Rochester Institute of Technology. She is also an LEED Accredited Professional by the US Green Building Council.

## **Dr. Daniel J. Fiorino - Center for Environmental Policy**

Daniel J. Fiorino is the founding Director of the Center for Environmental Policy and Distinguished Executive in Residence in the School of Public Affairs at American University. A faculty member in the Department of Public Administration and Policy, he teaches environmental policy, energy and climate change, environmental sustainability, and public management.

Dan is the author or co-author of eight books and sixty articles and book chapters. According to Google Scholar, his work has been cited nearly 5,600 times in the professional literature.

His most recent books are *A Good Life on a Finite Earth: The Political Economy of Green Growth* (Oxford University Press, 2018), *Can Democracy Handle Climate Change?* (Polity Books, 2018), and *Conceptual Innovation in Environmental Policy* (with James Meadowcroft, MIT Press, 2017). MIT Press also published the second edition of *Environmental Governance Reconsidered* (with Robert F. Durant and Rosemary O'Leary) in 2017. His 2006 book, *The New Environmental Regulation*, won the Brownlow Award of the National Academy of Public Administration (NAPA) for "excellence in public administration literature" in 2007. Altogether his publications have received nine national and international awards from the American Society for Public Administration, Policy Studies Organization, Academy of Management, International Political Science Association, and NAPA.

His new book, *The Clean Energy Transition: Policies and Politics for a Zero-Carbon World*, will be published by Policy Press later in 2022.

In 2019, *A Good Life on a Finite Earth* won the Charles Levine Prize of the International Political Science Association for the best book in comparative public policy published in 2018.

Among his publications are journal articles on supply chain management as private sector regulation in *Business Strategy and the Environment* (2014, with Manjyot Bhan); sustainability in governance in *Public Administration Review* (2010); explanations for differences in national environmental performance in *Policy Sciences* (2011); and innovation in renewable energy in *Policy Studies Journal* (2013, with Jiaqi Liang). His most recent article (with Carley Weted) is "Environmental Federalism in a Polarized Era" in *State and Local Government Review* (2020).

Dan joined American University in 2009 after a career at the U.S. Environmental Protection Agency (EPA). Among his positions at EPA were the Associate Director of the Office of Policy Analysis, Director of the Waste and Chemicals Policy Division, Senior Advisor to the Assistant Administrator for Policy, and Director of the National Environmental Performance Track. The Performance Track was selected as one of the top 50 innovations in government in 2006 by the Kennedy School of Government and was recognized by Administrator Christine Todd Whitman with an EPA Silver Medal in 2002. In 1993, he received EPA's Lee M. Thomas Award for Management Excellence.

He has appeared on or been quoted in many media outlets: the Washington Post, Daily Beast, Newsweek, BBC America, The Guardian, Christian Science Monitor, Australian Broadcasting Corporation, Canadian Broadcasting Corporation, Agence France-Presse, Marketplace and CCTV on air quality, climate change, the BP Horizon Oil Spill, carbon trading, EPA, environmental issues in the 2016 election, and environmental and energy politics. In 2013, he created the William K. Reilly Fund for Environmental Governance and Leadership, working with associates of Mr. Reilly and corporate and other sponsors.

Dan is an elected Fellow of the National Academy of Public Administration. In the summer of 2013 he was named the Sir Frank Holmes Visiting Fellow in Public Policy at Victoria University in New Zealand.

He holds a B.A. degree in political science and economics from Youngstown State University and M.A. and Ph.D. degrees in political science from Johns Hopkins University.

### **Maggie Burnette Stogner - Center for Environmental Filmmaking**

Maggie Burnette Stogner is the Executive Director of the Center for Environmental Filmmaking ([www.environmentalfilm.org](http://www.environmentalfilm.org)) and a professor of Film and Media Arts at American University in Washington, D.C.. She brings over 30 years of filmmaking experience to the Center and to the classroom. She was on staff at National Geographic TV & Film for nearly a decade where she produced, directed and wrote numerous documentaries, and was senior producer of the award-winning series EXPLORER. In 2005, she launched the independent media company Blue Bear Films (<http://www.bluebearfilms.com/>), creating films and immersive media for world-touring cultural exhibitions for National Geographic, the Smithsonian, LucasFilms, and others. She creates documentaries and outreach campaigns that inspire and inform, including the award-winning "Unbreathable - the Fight For Healthy Air" (2020), "In the Executioner's Shadow" (2018), "Gold Mountain" (2016), and others. Her leadership at the Center For Environmental Filmmaking seeks to empower media makers to be advocates for our planet and catalysts for positive change. CEF builds diversity and equity through its programs, experiential learning, and inclusive filmmaking. Through its research, the Center propels a leading vision for the future: [CEF - Impact Media Report2020: Creative, Collaborative & Outreach Strategies for Nature, Environmental and Science Films](#)

Contact: **Ex. 6 Personal Privacy (PP)**

## Ex. 6 Personal Privacy (PP)

### Profile:

Accomplished and results-driven public servant experienced in building coalitions, exceeding organizational goals, providing responsible leadership and motivating outstanding team performance. Award-winning subject matter expert with more than a decade of technical experience in environmental science & engineering, emergency management & response, and environmental justice & equity.

### Education:

Master of Science, Management, Emergency Management - University of Maryland University College  
Bachelor of Science, Environmental Science, Math & Engineering - Rochester Institute of Technology  
Graduate Certificate, Strategic Project Management – George Washington University  
Graduate Certificate, Excellence in Municipal Management – George Washington University

### Professional Experience:

Associate Director, Air Quality Division	2020-Present
Chief, Air Quality Division, Compliance & Enforcement Branch (Supervisory Environmental Protection Specialist) District of Columbia Department of Energy & Environment Washington, DC	2016-2019

### Regular Duties:

- State Air Director representing the District of Columbia on matters of air quality and Associate Director of Air Quality Division with full management responsibilities.
- Maintain primacy for the District of Columbia's Clean Air Act program.
- Leading expert on issues of air quality and climate change and equity for Department of Energy & Environment.
- Lead the development and implementation of a Racial Equity Impact Assessment Tool and associated training for the Department of Environment.
- Work with the agency to incorporate equity into the strategic goals and fabric of the agency and advance JEDI initiatives to improve both internal culture and program administration to the public.
- Supervisory lead of a diverse team of science and engineering professionals in the implementation and monitoring of citywide environmental and energy regulations designed to improve the District's air quality.
- Preparing and managing a multi-million dollar District and Federal budget and ensure operational requirements are met.
- Management of multi-year, multi-million-dollar federal grant programs to assure the achievement of objectives, commitments and timely expenditure of funds, including section 105 Air grant with federal funding of \$1.4 million per year.
- Lead the development and implementation of the regions first fully electronic systems conversion for the management of regulated asbestos abatement in the District resulting in an increase in inspection oversight from 1% to 30%.
- Enhanced compliance with District air quality regulations through enforcement initiatives and public outreach programs resulting in two of the largest enforcement cases in program history, a \$2 million for Title V violations and \$200k for engine idling violations.
- Chaired the Mid-Atlantic Regional Environmental Consortium responsible for improving coordination between EPA (Region 3) states and local asbestos programs.
- Effectuated change through the enrichment of partnerships with other District regulatory programs to improve oversight of construction and development projects to ensure compliance and reduce environmental impacts within the city.
- Serve as subject matter expert for local and national government partners on policies and strategies, and the implementation challenges within urban environments.
- Regularly interact and serve as liaison with senior management across District agencies, EPA, ANC, Office of the Mayor and Council, the media, community stakeholders and constituents.
- Represent the District as an expert on air quality regulations and issues through participation in interagency meetings and conferences, environmental working groups, local and national committees.

- Authorship of District environmental permitting, compliance and enforcement regulations, as well as associated policy documents and outreach material.
- Present testimony for City Council hearings and local community meetings on the status of the agency's implementation of the City's environmental laws.
- Present testimony on behalf of the District on matters of equity, environmental justice and air quality as part of public participation in regulatory processes both nationally through EPA but also in support of state and local regulations that align with District priorities.
- Work to collaborate, develop model rules and programs in coordination with air programs pledged as C40 Clean Air Cities worldwide.
- Coordinate collaborative efforts between the District's transportation, enforcement and public works agencies to reduce emissions from vehicles within the city.
- Lead for public outreach efforts in English and Spanish to address social safeguard and environmental justice concerns regarding air quality issues.

### **Emergency Response Details:**

#### DOEE Emergency Liaison Officer Duty or Technical Support:

- 2017 Presidential Inauguration
- 2017-2020 4<sup>th</sup> of July Observation
- 2017 Full Scale Exercise "Hurricane Cora"
- 2019 St. Elizabeth's Water Contamination
- 2019 StrikeDC Event
- 2020 March on Washington
- 2020 First Amendment Demonstrations
- 2021 Presidential Inauguration

#### 2020 COVID-19 Response:

- Health & Medical Branch
  - COVID-19 Testing Site Incident Action Planning
  - COVID-19 Testing Site Staffing
- Human Services Branch
  - Mass Care Feeding Operation – Database Development
  - Remote Isolation and Preventative Quarantine Mission – Environmental Health & Safety Planning
- Emergency Operations Center – Resource Unit Data Support
- Government Operations Logistics Branch - Data Team
- Health & Medical Branch
  - Medical Surge Planning
  - Alternative Care Site Leadership Team
  - Alternative Care Site Planning Section Chief
  - Alternative Care Site Personal Protective Equipment Coordination Lead
- DOEE Incident Management Team
- DOEE Agency Re-Open Team Member
- DOEE PPE Coordinator – Environmental Services Administration
- Monthly Regional COVID Impacts of Air Quality Research Coordination

#### 2020 First Amendment Demonstrations:

- Situational Awareness Unit Support
- Heat Emergency Cooling Center Support
- Damage Assessment Unit Support

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**Environmental Management System & Oil Control Program Lead**

NASA Goddard Space Flight Center Team  
Greenbelt, Maryland  
Straughan Environmental Contractor  
Earth Resources Technology Contractor  
Proxtronic, Inc. Contractor

**June 2013 - October 2016**  
**February 2010 – June 2013**  
**May 2009 – February 2010**

- Responsible for providing technical guidance and engineering duties in the prevention, control, and remediation of environmental health hazards
- Developing and implementing training, evaluation and corrective action programs to manage risk
- Evaluated compliance for NASA Goddard Space Flight Center's (GSFC) Medical and Environmental Management Division
- Provided emergency spill response for on-site emergencies
- Development/management of GSFC's Environmental Management System
- Integrated Contingency Plan (SPCC), Storm Water Pollution Prevention Plan and GSFC's Part 70 Operating Permit

**Duties include:**

- Served as lead technical expert for Oil, Water, Energy, NEPA, Air, RCRA/TSCA and Hazardous Waste Programs.
- Managed training programs, developed policies and procedures, evaluated preparedness and response capabilities, identified and developed corrective actions for deficiencies or mitigation strategies for systemic vulnerabilities and to evaluate the environmental consequences of projects, equipment, tools and procedures used on GSFC
- Responsible for application, renewal, implementation and maintenance of a broad spectrum of environmental compliance permits and plans (Title V Part 70 Operating Permit, NPDES, Oil Operations Permit, MS4, WSSC, SWPPP, SPCC, ICP)
- Lead development and administration of GSFC's ISO 14001:2015 Environmental Management System which articulated all environmental obligations, and efforts to meet the obligations, of GSFC and communicated risks and priorities to senior leadership, employees, contractors, regulators and the general public
- Managed multiple data management systems to improve recordkeeping, reporting and compliance including the Spill Response Database, Inventory Chemical Tracking Tool, Hazardous Materials Management System, Environmental Management System, Groundwater Database, and Compliance Tracking Tool
- Served as subject matter expert, and provided oversight in coordination with the civil servant Sustainability and Energy Officers for building portfolio management activities at NASA GSFC, including developing metrics and auditing compliance with NASA specific LEED Green Building and meeting objectives of EO 13693 Planning for Federal Sustainability in the Next Decade
- Developed, tracked, projected and made recommendations regarding building energy, solid waste, and water intensity performance, including evaluating GSFC metering capabilities, implementing Energy Star Portfolio Manager, determining compliance with high performing building ratio targets and opportunities for enhancing efforts to meet goals
- Co-lead for pilot program to synergize requirements of LEED and federal building performance standards to maximize environmental benefits and attain simultaneous compliance
- Directed the mobilization of spill response personnel and equipment; coordination with Incident Command, Emergency Operations Center, facilities, contractors, and emergency responders; participation in development, execution, and analysis of center-wide exercises; participation in clean-up and recovery efforts; serving as 24-hour on-call emergency hazardous waste responder and providing information on environmental regulatory requirements and evaluation, planning and assessment of emergency situations during emergency operations

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**Database Developer**

Diné Development Corporation – 4C  
NASA Goddard Space Flight Center Team  
Greenbelt, Maryland

**October 2016 – July 2021**

Provided contract support and custom database solutions to include:

- Providing task oversight to the project team.
- Evaluating RFPs and developing proposals
- Designing, maintaining and improving existing databases.
- Lead team in developing and testing system modifications.
- Analyzing business application requirements to identify needs
- Implementation of solutions
- Providing experienced support for the maintenance of existing legacy and custom applications.

**Memberships & Organizations**

- Vice President, National Association of Clean Air Agencies 2021 – Present



- Research Panel Member (ACRP 02-99), National Academies of Sciences, Engineering, and Medicine - Transportation Research Board 2021 - Present
- Advisory Board Member, American University School of Public Affairs, Center for Environmental Policy 2021 – Present
- Member, American Geophysical Union 2021 - Present
- Chair, Mobile Sources Committee, Ozone Transport Commission 2020 – Present
- Executive Board Member, Ozone Transport Commission 2020 – Present
- Executive Board Member, Metropolitan Washington Air Quality Committee – 2020 – Present
- Chair, Technical Advisory Committee, Metropolitan Washington Air Quality Committee – 2020 – Present
- Board of Directors, Clean Air Partners 2020 - Present
- Chair, Board of Directors, Mid Atlantic Regional Air Management Association 2020 – Present
- Chair, Program Funding Committee, National Association of Clean Air Agencies 2020 – Present
- Board of Directors, Region 3 Representative, National Association of Clean Air Agencies 2020 – Present
- Member – Multi-State Medium & Heavy-Duty Vehicles ZEV Task Force – July 2020 – Present
- Chair, DC Department of Energy & Environment Equity Committee – 2019 – Present
- Member, District of Columbia Medical Marijuana Task Force – 2019 - Present
- Chair, Mid-Atlantic Regional Environmental Consortium 2018 – 2020
- Programming Committee, EPA e-Enterprise for the Environment National Meeting 2018 & 2020
- Member, Product Design Team, e-Enterprise for the Environment Combined Air Emissions Reporting (CAER) 2018- Present
- US Green Building Council, LEED Accredited Professional – 2010 – Present
- Member, Integrity Committee, DC Department of Energy and Environment 2018 - 2020
- Safety Officer & Coach, Crimson Heat All-stars (501(c)(3)) 2001 – 2020
- Delta Sigma Theta Sorority, Inc. Federal City Alumnae Chapter
- American Society of Civil Engineers, National Capitol Section 2015- Present
- National Council of Negro Women – 2018 – Present
- National Advisory Board Member, US All-Star Safety Federation 2009 – 2019
- Regional Advisory Board (Eastern), US All Star Safety Federation 2010 – 2020
- Member, International Association of Emergency Managers 2011 – 2016

**Publications, Testimony, Presentations and Appearances** (ORCID 0000-0001-6129-8101)

- Co-Author - Estimating Intra-Urban Inequities in PM 2.5 -Attributable Health Impacts: A Case Study for Washington, DC – GeoHealth Nov 2021
- Speaker – Citizen Science – Using Community Science to Address Air Pollution – International Network for Environmental Compliance and Enforcement Secretariat – October 2020
- Live Event – Children’s Environmental Health Day – Children’s Environmental Health Network – October 2020
- Speaker – State and County Report-Back Panel - UMD Symposium on Environmental Justice and Health Disparities September 2020
- Speaker – Air Quality and Environmental Justice Implications of Air Quality Permitting – MARAMA Permitting Workshop September 2020
- Speaker – Building Agency for Citizen Science – Environmental Law Institute – August 2020
- Speaker – Hot topics for Air Quality Regulators – Air & Waste Management – July 2020
- Speaker - State Approach to Just Transition – Environmental Law Institute – July 2020
- Moderator – American Lung Association – Air Quality and COVID-19 Town Hall– July 2020
- Guest Lecturer - LAW 795AE-E001: Environmental Justice - American University Washington College of Law – May 2020
- Panelist – Expert Panel Talk (Equity Imperative and Environmental Justice) – UDC-DOEE Earth Day Event – April 2020
- Speaker – Air Quality & Environmental Justice Symposium - American University Washington College of Law’s Sustainable Development Law and Policy– Feb 2020
- Speaker – National Association of Clean Air Agencies Permitting & Enforcement Workshop – February 2020
- Public Testimony (Oral and written) – EPA Proposal to retain 2015 Ozone National Ambient Air Quality Standard– on behalf of District of Columbia - 2020
- Public Testimony (Oral) – California Air Resources Board Heavy Duty NOx Omnibus Rule – on behalf of District of Columbia – 2020
- Speaker - Executive Women's Leadership Program – George Washington University Center for Excellence in Public Leadership – September 2019
- Speaker – Technology in Enforcement – EPA Region 3 State Air Directors Meeting – September 2019
- Panelist – E-Enterprise & Enforcement – Environmental Council of States– July 2019

## **Professional Development**

### **Certifications & Accreditations**

- Promoting Racial Equity in the Workplace Program, John F. Kennedy School of Government at Harvard University, Executive Education – 2022
- REAL Inclusion Program – Leadership Montgomery – 2021
- Environmental Crimes Enforcement – Western States Project –2020
- Certified Public Manager, DC Executive office of the Mayor, George Washington University – 2019
- Executive Women’s Leadership Program, George Washington University –2019
- LEED AP & BD+C, US Green Building Council – 2009 – present
- Legality Official, US All-Star Safety Federation – 2009 – 2020
- Green Globes Professional, Green Building Initiative – 2014-2017
- Guiding Principles Compliance Professional, Green Building Initiative – 2014-2017
- Real Estate Salesperson License, DC Real Estate Commission –2009-2011

## **Awards & Acknowledgements**

- Finalist, Team Innovation Award, The Morris & Gwendolyn Cafritz Foundation Awards – 2020
- Supervisor Excellence Award, DC Dept. of Energy & Environment –2018
- Team Excellence Award, NASA Goddard Space Flight Center, Emergency Management Team –2015
- Team Award (HMMS Development Team), Earth Resources Technology –2013
- Team Excellence Award, NASA Goddard Space Flight Center Code 200 HMMS Team –2013
- Environmental Functional Review Star, NASA Goddard Space Flight Center EFR Audit Team –2012
- Contractor Excellence Award, NASA Goddard Space Flight Center (Code 200)–2010

# Courtney Grimes

Washington, DC 20002

## EDUCATION

**University of Maryland, College Park**

January 2021

- Ph.D. Chemistry; Focus: Atmospheric Chemistry

**Hofstra University**, Hempstead, NY

May 2013

- B.S. Chemistry, *Cum Laude*

## HIGHLIGHTED SKILLS

- Computer: Microsoft Word, Microsoft Excel, Microsoft PowerPoint
- Matlab, R
- Spartan, ChemDraw
- IR, UV-Vis, GC, CE, fluorometer, Laser-Induced Fluorescence, Chemiluminescence, Liquid Chromatography, Cavity Ring-down Spectroscopy, Photoacoustic Spectroscopy, Thermal Optical Analysis, SEM-EDX, Aethalometry, Integrated Plate method, SO<sub>2</sub> analyzer, O<sub>3</sub> analyzer, Picarro (CH<sub>4</sub>, H<sub>2</sub>O, CO, CO<sub>2</sub>) Gas Concentration Analyzer, Nephelometry, Differential Mobility Analyzer, Aerosol Particle Mass Analyzer, Condensation Particle Counter, Aerodynamic Aerosol Classifier

## WORK/RESEARCH/PROFESSIONAL EXPERIENCE:

**Environmental Protection Specialist**, Department of Energy and Environment Feb. 2021-Present

Air Quality Division, Washington, District of Columbia

- Forecast particulate matter and ozone in the District of Columbia
- Worked on special research projects and collaborations with universities
- Monitor Air Quality in the District of Columbia
- Prepared presentations, technical reports for the communities, and other high-quality communication materials for MARAMA and AGU
- Offered technical expertise on monitoring pollutants
- Focused on monitoring in Environmental Justice (EJ) communities and sustaining equity

**Graduate Research Assistant**, University of Maryland, College Park

Sept. 2013- Jan. 2021

Dr. Russell Dickerson, University of Maryland, College Park Chemistry

- Investigated black carbon measurements and calibration of filter-based techniques at NIST.
- Calibrated, repaired and carried out routine maintenance of instrumentation for field sampling and air quality.
- Determined the emissions of black carbon in an urban environment such as the New York City region from flight and ground measurements.
- Participated in research flight campaigns (RAMMPP Program) in the Baltimore/Washington region to study air quality.
- Helped design quality assurance protocols and SOPs of instrumentation for air quality and laboratory data collection.
- Conducted research involving model output from NEI and EDGAR.
- Characterization of ambient aerosol (from Xingtai, China) using SEM-EDX analysis.

- Researched environmental impacts of particulate matter (PM 2.5), ozone, sulfur dioxide (SO<sub>2</sub>), Nitrogen dioxide (NO<sub>2</sub>), carbon monoxide (CO) and other related pollutants.
- Conducted data analysis of air quality and provided reports to state government agencies such as the Maryland Department of the Environment (MDE).
- Performed statistical analyses of emissions and air monitoring data for New York City and Maryland.
- Prepared technical reports of findings for conference presentations on local/regional air quality.
- Maintained data acquisition systems.
- Conducted research relating to climate change.

**Teaching Assistant**, University of Maryland College Park

Sept. 2013-May2014,

- Taught Chem 272: Bioanalytical Chemistry Laboratory
- Graded lab reports and held office hours
- Engaged in coordinating curricula for students

Sept. 2018- Present

**Undergraduate Research Student**, Hofstra University

Dec. 2010- 2013

Dr. Huang, Hofstra University Chemistry Department

- “Rapid Ink Typing Using Capillary Electrophoresis and UV-Vis Spectroscopy”

### **Papers/Conferences**

- **Grimes, C.**, Conny, J., Dickerson, R.R., Evaluation of Thermal Optical Analysis (TOA) using an aqueous binary mixture (Just Accepted 2020), *Atmospheric Environment*.
- **Grimes, C.**, Dickerson, R.R., Evaluation of a filter-based black carbon (BC) instrument using pure and coated BC and brown carbon (BrC) surrogates (Just Accepted 2020), *Aerosol Science and Technology*.
- **Grimes, C.**, Yao, Q., Stratton, P., Awuku, A., Ren, X., Felton, D., McDonald, B., Dickerson, R.R, Ground and aircraft-based measurements of black carbon and carbon monoxide in the New York City metropolitan area: Comparison to emissions inventories. *Atmospheric Environment* (submitted 2021).
- Zangmeister, C. D., **Grimes, C.**, Dickerson, R. R., & Radney, J. G. (2019). Characterization and Demonstration of a Black Carbon Aerosol Mimic for Instrument Evaluation. *Aerosol Science and Technology*, 1-15.
- Presentation: **Black Carbon Measurements and Calibration**. American Geophysical Union. 2018. Washington DC.
- Presentation: **Measurements of Black Carbon in the Baltimore/Washington Area**. National Organization of Black Chemists and Chemical Engineers (NOBCCHE). 2018. Orlando.
- Presented research at AAAR National Fall Meeting 2017 (poster)
- Presented research at ACS Fall National Meeting 2017 (poster)
- Presented research at AGU Fall National Meeting 2021 (poster)

### **Awards/Honors**

American Chemical Society (ACS) Scholar Recipient (2009-2013)

Phi Eta Sigma Honor Society (September 2010)

Dean's List (2009-2013)

Hofstra Presidential Scholar (2009-2013)

CRC Press Chemistry Achievement Award (May 2009)

Amgen Scholar (May 2012-August 2012)

### **LEADERSHIP**

- SisterMentors: A Project of EduSeed 2018-2020  
Mentored and tutored girls and young women of color from low-income families to help further program's education equity initiative. Showcased as a role model for Black and Brown girls and young women to inspire and motivate them to pursue STEM fields in college. Supported program's sustainability goals by speaking at information sessions and at annual fundraiser.
- Community Outreach Volunteer Coordinator  
Lead community outreach events in the District. Worked with Central Union Mission, Little Lights Ministry, Age in Place

### **ACTIVITIES**

- Student Member of the American Chemical Society 2010-2013
- Member of NOBCChE 2013-Present

## Curriculum Vitae for Daniel J. Fiorino (March 2022)

dfiorino@american.edu

### I. EDUCATION

Ph.D. in Political Science, Johns Hopkins University, 1977

Major Fields: Judicial Process and Public Administration. Dissertation: "The Federal Courts and the Regulatory Process: The Cases of Natural Gas and Broadcasting"

M.A. in Political Science, Johns Hopkins University, 1973

Thesis: "Alternative Forms of Dispute Settlement"

B.A. in Political Science, *magna cum laude*, Youngstown State University, 1971

Minor in Economics

### II. EXPERIENCE

***Director, Center for Environmental Policy; Distinguished Executive in Residence, School of Public Affairs, American University, 2009 to present.***

Teach in the Department of Public Administration and Policy. Conduct research and write on national environmental and energy policy, innovation and governance, policy analysis and institutions. In October 2010, named the founding Director of the Center for Environmental Policy. Created the William K. Reilly Fund for Environmental Governance and Leadership in 2013 and the William K. Reilly Endowment. Supervise Ph.D. dissertations and participate on several Ph.D. committees.

Courses include Environmental Sustainability and Public Policy; Public Policies for the Environment and Energy; American Environmental Policy; and Energy Policy and Politics. I have also taught the MPA core course on Public Administration and the Policy Process.

As Center Director, organized and spoke at programs on (selected and recent) EPA and the Future of Environmental Protection (April 2019); Children's Environmental Health (October 2018); a Conversation with Gina McCarthy (November 2017); Deep Decarbonization in the United States (November 2018).

***Public Policy Scholar, Woodrow Wilson International Center for Scholars, 2009.***

Conducted research and writing for a report for publication by the Wilson Center's Project on Emerging Nanotechnologies, *Voluntary Initiatives for Nanotechnology Oversight: Charting a Path*.

***Director, National Environmental Performance Track, U.S. Environmental Protection Agency (EPA), 2000-2009***

Principal architect and national director of EPA's premier environmental leadership program. Led the growth of the program from start-up to over 550 members nationally. Provided strategic direction for program and staff, directed analysis of environmental results, served as EPA spokesman for the program, managed relationships with state environmental agencies and other partners. Managed a staff of 30 and an annual budget of \$5 million. In 2006, the Kennedy School of Government named EPA's Performance Track as one of the "Top 50 Innovations in American Government."

***Director, Emerging Strategies Division, EPA, Washington, D.C. 1996-2000***

Directed projects on industry sector approaches, environmental performance measurement, corporate sustainability, use of innovative policy instruments. Worked with such external partners as Coalition for Environmentally Responsible Economics (CERES), Business for Social Responsibility, Resources for the Future, U.S.-Asia Environmental Partnership, NGOs, and trade associations.

***Director, Waste and Chemical Policy Division, EPA, 1993-1996***

Managed the division (staff of 30) in the Office of Policy Analysis that analyzed solid and hazardous waste, toxics, and pesticides regulatory issues. Directed projects on pollution prevention, cross-media analysis, environmental justice, chemical hazards, and trade and the environment.

***Associate Director, Office of Policy Analysis, EPA, 1989-1993***

Emphasis on toxics, water, and waste issues. Represented assistant administrator for policy on an agency-wide regulatory steering committee. Directed budget, planning, recruiting, human resources for one of the leading policy analysis organizations in the federal government.

***Senior Policy Advisor to the Assistant Administrator for Policy, Planning, and Evaluation, EPA, 1988-1989***

Senior staff to presidential appointee and deputy with broad policy, analytic, and planning responsibilities. Worked on international issues, risk projects, regulatory policy, evaluation of program proposals. Served as policy office coordinator for the 1989 presidential transition.

***Senior Fellow, the Conservation Foundation, Washington, D.C., 1988 (on leave from EPA)***

Research and writing on "Environmental Risk and Democratic Process." Examined work on risk analysis, risk perception, and democratic theory to assess prospects for citizen participation.

***Director, Information and Regulatory Systems Division, EPA, 1983-1988***

Directed a staff of thirty. Responsible for planning, budgeting, institutional support. Worked on cross-media issues, OMB oversight, regulatory negotiation, regulatory analysis. Responsible for directing EPA activities for implementing the Paperwork Reduction and Regulatory Flexibility Acts.

***Chief, Regulation Management Staff, Standards and Regulations Division, EPA, 1980-1983***

Led an expansion of the policy office's regulatory reviews; managed early regulatory negotiations; designed training on rulemaking; directed staff on regulatory reform initiatives.

***Analyst, Regulatory Reform Staff, Standards and Regulations Division, EPA, 1978-1980***

Analyst for projects to apply economic incentives to regulation. Monitored reform issues, wrote papers on economic incentives, contributed to development of the air emissions trading policy.

***Assistant Professor of Political Science, Middlebury College, Middlebury VT, 1975-1978***

Taught courses on American politics, public administration, legal process, organization theory, the executive branch, regulatory policy, voting and electoral politics. Teaching reviews were consistently high; enrollment in the introductory American politics course tripled by the third year. Advised students and directed independent studies; participated on departmental committees.

**Research Assistant, The Brookings Institution, Governmental Studies Division, 1973-1975**

Conducted interviews, analyzed the literature, and assisted Donald L. Horowitz for *The Courts and Social Policy* (Brookings, 1977) and a study of litigation management in the federal government.

**V. PROFESSIONAL ACTIVITIES**

Member, Expert Committee, project on proposals for policy and funding of University of Massachusetts-Lowell project for the California Department of Toxic Substances Control.

Founding Member, Environmental and Occupational Health Consortium of Washington-Area Universities, 2015-present.

Co-editor, with Robert Durant, of the Routledge book series on "Environmental Sustainability and Public Administration," 2011-2017.

Member of a curriculum review committee for a new degree program on Sustainability, State University of New York at Binghamton, November 2017. Tenure and promotion reviewer for many universities.

Member of the "Sustainable Materials Management Coalition" dialogue group, 2011-2012

Co-Chair, Program Committee, National Conference of the American Society for Public Administration (ASPA), Washington, DC, 2003

Member, National Council, Policy Studies Organization (1999-2005)

Chair, Section on Environmental and Natural Resource Administration, ASPA, 1994-1995

Member, Program Committee, ASPA 1996 National Conference

Editorial Boards of the *Public Administration Review* (1990-1993; 1996-2012) and *Public Administration Quarterly* (1990-2005)

Referee at various times for *Public Administration Review*; *Public Budgeting and Finance*; *Journal of Public Administration Research and Theory*; *Law and Society Review*; *Policy Studies Journal*; *Science, Technology and Human Values*; *Public Administration Quarterly*; *State and Local Government Review*; *Journal of Industrial Ecology*; *Environmental Science & Technology*; *Administration and Society*; *Journal of Policy Analysis and Management*; *Global Environmental Politics*; *Environmental Politics*, *Policy Sciences*, National Science Foundation, MIT Press, Cambridge University Press, Resources for the Future, Polity Books, University of Alabama Press, Brookings Institution, CQ Press, Oxford University Press, Polity Press, other journals and organizations.

Chair, Brownlow Award Committee, ASPA, 1992; Dimock Award Committee, 1991



# Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC

## Letters of Support

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CENTER FOR  
ENVIRONMENTAL POLICY  
SCHOOL of PUBLIC AFFAIRS



CENTER FOR  
ENVIRONMENTAL FILMMAKING  
SCHOOL of COMMUNICATION  
AMERICAN UNIVERSITY • WASHINGTON, DC

March 18, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

We are pleased to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. We strongly support this application and believe that its strong emphasis on data communications and storytelling will empower District residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community the impacts of air pollution on daily life. We also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

Through this letter, we acknowledge that members of our team will partner on activities including:

- 1) Developing and providing training on storytelling to District residents
- 2) Filming and editing residents' stories
- 3) Supporting efforts to disseminate the films
- 4) Serving on the project advisory board

American University's Center for Environmental Policy informs and educates future environmental leaders, while promoting innovative technologies, policies and practices in order to strengthen environmental, energy, climate, sustainability and environmental justice practices.

American University's Center for Environmental Filmmaking seeks to inform, inspire and empower people to engage in the critical environmental challenges through innovative media making. Our mission is to advance documentary filmmaking, photography and new forms of immersive and interactive media as vital catalysts for raising awareness, promoting solutions and mobilizing movements.

We will bring together filmmaking students with DC residents to highlight the experiences of those facing air pollution in their daily lives. Equitably improving air quality and empowering residents to take ownership of their air quality data are high priorities of both of our Centers.

4400 Massachusetts Avenue, NW, Washington, DC 20016

ED\_013931A\_00000914-00002

We recently partnered on the film, symposium and webinar series, *Unbreathable: the Fight for Healthy Air*, and continue to bring clean air to all. We have been working with the Air Quality Division at DOEE for several years, and in fact, Kelly Crawford has contributed to many of our clean air and climate change events, and one of our students is currently serving as a DOEE intern. Further the Center for Environmental Policy is currently implementing the second year of a New York Community Trust Grant with an emphasis on community air monitoring as an environmental justice strategy. We are excited to continue building this partnership through this grant.

We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

A handwritten signature in black ink that reads "Daniel J. Fiorino". The signature is written in a cursive, flowing style.

Daniel J. Fiorino  
Director  
Center for Environmental Policy  
School of Public Affairs  
American University

and

A handwritten signature in black ink that reads "Maggie Stogner". The signature is written in a cursive, flowing style.

Maggie Stogner  
Director  
Center for Environmental Filmmaking  
School of Communications  
American University



GOVERNMENT OF THE DISTRICT OF COLUMBIA  
ADVISORY NEIGHBORHOOD COMMISSION 5D

Advisory Neighborhood Commission 5D  
371 Morse St. NE  
Washington, DC 20002

3/18/2022

Mr. Tommy Wells, Director District Department of Energy and Environment 1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on data communication and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

Through this letter, I acknowledge that a member of my team will be a partner on activities to advance environmental justice through this project, specifically by:

- Offering to be on the advisory board and providing guidance on location of monitors and feedback on the mapping tool.
- Assisting with identifying community members who would like to tell their stories.
- Assisting by sharing the mapping tool with community members.

ANC 5D represents Ivy City in Northeast DC. Air quality and Environmental Justice is of importance in my work because the communities we represent are inundated with environmental hazards; at the forefront of which is air pollution. We currently lack local air quality monitoring data, and the proposed project would bring that data to our communities. Furthermore, the advancement of this project could share a future, more robust environmental justice screening tool which we could use to advocate for improvements in our community. I cannot stress enough the need for more local monitoring in this community and the value that we would find in a project that helps to amplify the voices of community members.

We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

Sebrina Rhodes

Secretary ANC 5D



Mar 17, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on data communication and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

Through this letter, I acknowledge that a member of my team will be a partner on activities to advance environmental justice through this project, specifically by conducting outreach in Advisory Neighborhood Commission 8C. We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

*Salim Adofo*

Salim Adofo  
Chairperson  
Advisory Neighborhood Commission 8C

Phone: (202) 299-3621 | Email: [8C@anc.dc.gov](mailto:8C@anc.dc.gov) | Website: [ANC8C.org](http://ANC8C.org)  
2730 Martin Luther King Jr. Ave SE  
Washington DC 20032

March 16, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Director Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on communities that have been adversely impacted by air quality concerns as it relates to their health and quality of life. I think that allowing for the use of storytelling as a tool for residents to use to express their lived experience is a great way to engage and work with communities. I also applaud DOEE's efforts to work with and help vulnerable communities.

Through this letter, I acknowledge that a member of my team will be a partner on activities to advance environmental justice through this project, specifically by being a part of the advisory team and outreaching to residents who will share their experiences through storytelling.

I am an advisory neighborhood commissioner and president of Syphax Gardens Resident Council which is a public housing property. We have engaged with the Air Quality Division at DOEE on efforts to address air quality concerns. I look forward to extending our partnership through this grant. The proposed project would be an excellent opportunity for the community and, it will improve health outcomes for District residents.

I look forward to a continued partnership that helps the communities hardest hit by environmental issues and burdens.

Sincerely,

*Rhonda Hamilton*  
Advisory Neighborhood Commissioner 6D06  
President of Syphax Gardens Resident Council

March 17, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 20002

Dear Director Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant announcement. DC Health strongly supports this application and its focus on data communication and storytelling, especially as it will empower residents to more effectively participate in advocating for themselves and neighbors on one of the key drivers of health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

Through this letter, I acknowledge that a member of DC Health's Office of Health Equity (OHE) team will be a partner on activities to advance environmental justice through this project, specifically by serving on an advisory committee for the project, assisting with identifying neighborhoods DOEE should engage when forming the advisory committee, and providing subject matter expertise on health equity in the District.

Air quality and environmental justice are of importance in our work. As documented in the *Health Equity Report: District of Columbia 2018 (DC HER 2018)*, 80 percent of a community's health outcomes are driven by non-clinical determinants. *DC HER 2018* shows major inequities across all nine key drivers of opportunities for health, and significant differentials in health outcomes by income, place, and race across the District.

We have been highly engaged with the Air Quality Division at DOEE on several initiatives in the past, and we are excited to continue to build on our partnership through this grant. We look forward to working with you to advance environmental justice and health equity in overburdened communities in Washington, DC, and to apply lessons learned from this project to other opportunities in the District.

Sincerely,



LaQuandra S. Nesbitt, MD, MPH  
Director



## **EMPOWER DC**

1419 V St, NW  
Washington, DC 20009  
(202) 234-9119  
[www.empowerdc.org](http://www.empowerdc.org) @EmpowerDC

March 22, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 20002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on data communication and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

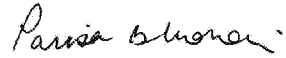
Through this letter, I acknowledge that Empower DC will be a partner on activities to advance environmental justice through this project, specifically by serving on a project advisory board, providing guidance and input on data visualizations and tools that facilitate community awareness and understanding, sharing this project with our members and the larger community, and connecting impacted residents with opportunities to share their stories about the impact of poor air quality on their health and quality of life.

Empower DC is a citywide grassroots organization working to build the confidence self-advocacy and organized power of low and moderate income Black and brown communities in order to bring about systemic change and advance equitable development, racial equity and environmental justice. We work with residents of communities including Ivy City and Brentwood, where air quality is a significant concern of residents and there has been a long-standing call for more monitoring and action to address air quality issues. Empower DC is also the co-convenor of the DC Environmental Justice Coalition, the only coalition dedicated to uniting DC communities to advance environmental justice through policy and action. We look forward to furthering our partnership with DOEE and advancing environmental justice, a goal central to our organization, through this innovative project.



We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

A handwritten signature in black ink, appearing to read "Parisa Norouzi".

*Parisa Norouzi*  
*Executive Director*  
*Empower DC*  
*Citywide with headquarters in U St (20009) and Ivy City (20002)*



March 14, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on data communication and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

Through this letter, I acknowledge that a member of my team will be a partner on activities to advance environmental justice through this project, specifically by

- offering to be on the advisory board
- assisting with identifying community members who would like to tell their stories
- assisting by sharing the mapping tool with community members
- hosting a film screening in the park
- other in-kind support, etc.

The Friends of Oxon Run Park is a nonprofit organization whose mission is to preserve greenspace in Ward 8. We work with disfavored communities that experience environmental justice inequities. Air quality and Environmental Justice is of importance in our work because disinvested communities have a right to breathe clean air. We are excited to build on our partnership through this grant.

We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

*Absalom Jordan*

Absalom Jordan, Chair  
Friends of Oxon Run Park  
4335-4<sup>th</sup> Street, S.E. WDC 20032

3/22/2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. We strongly support this application and its focus on data communication and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. Ultimately, we hope that this will allow impacted residents to better shape local policies and enforcement practices in ways that improve their community's public and ecological health. We also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal.

Through this letter, I acknowledge that a member of our team will be a partner on activities to advance environmental justice through this project, specifically by:

- Serving on an advisory committee (the committee would select locations for monitors and equipment, including a display, among other responsibilities).
- Sharing the EJ mapping tool with community members and getting their feedback.
- Identifying residents who are interested in being on film to share their personal experiences with Air Quality in DC.
- Leveraging our relationships with experts on public health, mapping, data visualization, air pollution, and the environment to, when appropriate, offer in-kind support

Justice for Brentwood is a group of residents and concerned citizens collaborate with Empower DC to prevent discriminatory planning practices in the Brentwood neighborhood. Justice for Brentwood is presently organizing to oppose the siting and construction of a bus terminal on W street which would place another source of air pollution directly across from residential homes. We consider air quality and environmental justice to be significant in our work given the disproportionate health and environmental burdens that the Brentwood community faces.

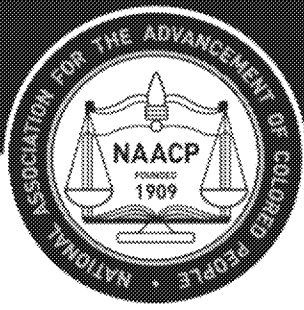
Located in the Northeast quadrant of D.C. in Ward 5, the Brentwood community is a historically African American community that has begun to change to a mixed-socioeconomic, multi-racial community. Ward 5 has been targeted with racist urban planning and zoning which has led to a disproportionate presence of industrial facilities, including a garbage transfer center, a residential trash company, a maintenance yard, a USPS fueling station, an Amtrak maintenance facility, a construction plant, and a cement company. The only community park is

located between the garbage transfer center and the residential trash company, making the park unusable.

We are excited to partner on this grant as it is a promising opportunity for us to achieve environmental justice in overburdened communities throughout Washington, DC.

Sincerely,

Selah Goodson Bell, Steering Committee Member  
Justice for Brentwood



# NAACP

*National Association For The Advancement Of Colored People*

*Washington, DC Branch*

1000 U Street, NW • Suite 100 • Washington, DC 20001

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First Street, NE  
Washington, DC 20002

Thursday, March 17, 2022

Dear Mr. Wells,

The NAACP DC Branch supports DOEE's proposal, ***"Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC,"*** in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I support this application, as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents as a historical record and tool to illustrate the impacts of air pollution.

The NAACP will be a partner on activities to advance environmental justice through this project, specifically by identifying a NAACP representative to serve on the advisory board and share information and resources to under-served DC residents and NAACP members across the District of Columbia.

The mission of the NAACP is to ensure the political, educational, social, and economic empowerment of African-Americans and to eliminate racial hatred and racial discrimination. Since 1913, the Washington, DC NAACP Branch has led historic, fights advocating for the political, economic and cultural empowerment of Blacks residents in DC. Today, our work is centered in fighting for racial equity and justice, while our scope of work evolves to encompass the full spectrum of racial justice issues impacting our most vulnerable and marginalized, Black residents in Washington, DC.

Environmental and climate justice is a civil rights issue, which does not impact all DC residents equally. Race, class, income, healthcare access and privilege influence the health impacts of air pollution and environmental toxins. The NAACP is a fierce advocate for environmental justice, clean energy, climate justice and transportation equity while advancing diversity, equity and inclusion across the District of Columbia. The proposed project would be an opportunity for us to advance racial equity and foster sustainable communities.

We look forward to working with you to advance environmental justice impacting Black residents of DC. Thank you.

Sincerely,

Akosua Ali  
President  
NAACP DC Branch



March 17, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on data communication, community engagement, and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The complaint intake and storytelling aspects of the proposed platform will make it easier for impacted residents to provide DOEE with firsthand information about air quality problems and possible violations, and capture the lived experiences of residents not only as a historical record but also as a tool to illustrate to decision-makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and the meaningful involvement of community partners outlined in their proposal.

Through this letter, I acknowledge that a member of my team will be a partner on activities to advance environmental justice through this project, specifically by, for example:

- participating on the project's advisory board and facilitating community partners' input into the design of the tool,
- sharing the tool with frontline, impacted community members,
- assisting with training frontline, impacted community members on using the platform to meet air quality information and advocacy needs such as learning about environmental health threats, submitting complaints and reviewing DOEE follow-up actions, accessing air quality data, and
- identifying community members who would like to tell their stories.

Namati is a non-profit organization located in Washington, DC. We are dedicated to working with impacted communities around the world to know, use, and shape law. Our US Environmental Justice program — and the Mid-Atlantic Justice Coalition we co-founded and co-convene — partners with impacted communities and advocates in DC neighborhoods like Buzzard Point, Ivy City, and Brentwood, as well as across the region to address the underlying issues that impact communities, particularly low-wealth Black, Indigenous, and communities of color. We work to increase the health, economic opportunities, and quality of life in communities that we serve by supporting community organizing to take on, and win, against threats to health, livelihoods, and environment; developing a grassroots-driven policy framework for advancing economic, racial, and environmental justice across the region; and fighting to turn that policy framework into law. Air quality is a critical focus of our work.



We have been highly engaged with the Air Quality Division at DOEE on several initiatives in the past, including around Buzzard Point residents' advocacy to address air quality concerns from local industrial facilities and construction activities, and are excited to work more closely with DOEE to promote informed community participation. The proposed project would afford an important opportunity for us to pursue our long-term goal in the US of fostering a just society where informed, organized communities ensure that all people can live in a safe, healthy environment with good economic opportunities.

We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

Jay Monteverde

US Environmental Justice Program Director, Namati  
Washington, DC





March 21, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I strongly support this application and its focus on data communication and storytelling, especially as it will empower residents in communities historically overburdened by poor air quality to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact daily life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in their proposal – DOEE's early and frequent engagement with residents impacted by poor air quality serves as an exemplar for meaningful community engagement by District agencies.

Through this letter, I acknowledge that a member of my team will be a partner on activities to advance environmental justice through this project, specifically by sharing the tool with additional community members, assisting with the identification of community members who are interested in sharing their stories, and providing input on the use of racial equity indicator data as a potential data source for consideration in the tool.

The Mayor's Office of Racial Equity (ORE) collaborates with District agencies and the community to apply a racial equity lens across government operations. We envision a District of Columbia where everyone can thrive with a sense of agency and where race will no longer predict opportunities, outcomes, or the distribution of resources. In the year since our office's creation, ORE has developed relationships with Empower DC and the Anacostia Parks and Community Collaborative to ensure that a robust understanding of environmental justice is baked into the District's citywide racial equity work. We recognize that Black, Indigenous, and other People of Color (BIPOC) communities often bear the brunt of systemic environmental harms in the District, and that these harms can only be remedied by explicitly centering these communities and listening to their lived experiences as policies and programs are developed. The proposed project would be an excellent opportunity for ORE to continue our partnership with DOEE, which has included multiple racial equity-centered programs hosted by our office as well as those led by DOEE, towards this end.

We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

*Amber A. Hewitt*

Amber A. Hewitt, PhD  
Chief Equity Officer  
District of Columbia Mayor's Office of Racial Equity  
DC



# UNIVERSITY OF MARYLAND

SCHOOL OF PUBLIC HEALTH

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March 22, 2022

Mr. Tommy Wells, Director  
District Department of Energy and Environment  
1200 First St NE  
Washington, DC 2002

Dear Mr. Wells,

My name is Dr. Sacoby Wilson and I write this letter to support DOEE's proposal, "Enhancing Air Quality Data with Storytelling to Advance Environmental Justice in Washington, DC" that will be submitted in response to the USEPA's Enhanced Air Quality Monitoring for Communities Grant Announcement. I am Associate Professor with the Maryland Institute for Applied Environmental Health, School of Public Health, University of Maryland College Park with over 25 years of experience as an environmental justice advocate and over 20 years of experience as an environmental health scientist. I am on EPA's Science Advisory Board, a former member of NEJAC, on the board of the Citizen Science Association, and a member of the Air Quality Team for the 5<sup>th</sup> National Climate Assessment. I strongly support this application and its focus on data communication and storytelling, especially as it will empower residents to take charge of their health through improved access to and understanding of air quality data. The storytelling aspect will provide a needed context to the impacts of poor air quality in environmental justice communities in DC including Brentwood and communities in Wards 7 and 8, capturing the lived experiences of residents not only as a historical record but as a tool to illustrate to decision makers and other members of the DC community how air pollution can impact public health and quality of life. I also applaud DOEE's shared governance structure and meaningful involvement of community partners outlined in the proposal.

As Director of the Center for Community Engagement, Environmental Justice, and Health (CEEJH), I have been very engaged in understanding and addressing environmental justice and health issues in the Washington, DC region. We have previously worked with Empower DC in Ivy City and NeRAC in Buzzard Point on understanding air quality issues in communities with EJ issues. We are currently assisting the DOEE Air Quality team on efforts regarding community engagement and environmental justice and will provide monitoring support for residents in the Brentwood area. We are excited to provide support to communities with EJ issues in Washington, DC and are excited to expand our partnership with the Air Quality team in the areas of stationary monitoring, mobile monitoring, and GIS mapping. We will provide guidance on data management and visualization, air quality monitoring, and other technical assistance related to community outreach and engagement.

We look forward to working with you to advance environmental justice in overburdened communities in Washington, DC.

Sincerely,

Dr. Sacoby Wilson, Associate Professor  
Center for Community Engagement, Environmental Justice, and Health (CEEJH)